



US009402433B2

(12) **United States Patent  
York**

(10) **Patent No.: US 9,402,433 B2**

(45) **Date of Patent: \*Aug. 2, 2016**

(54) **VISOR IMPROVEMENTS**

(71) Applicant: **Foamula Products, Inc.**, Wellington, FL (US)

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(73) Assignee: **Foamula Products, Inc.**, Wellington, FL (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/593,640**

(22) Filed: **Jan. 9, 2015**

(65) **Prior Publication Data**

US 2015/0181971 A1 Jul. 2, 2015

**Related U.S. Application Data**

(60) Continuation-in-part of application No. 14/279,994, filed on May 16, 2014, now Pat. No. 9,215,902, which is a division of application No. 13/690,881, filed on Nov. 30, 2012, now Pat. No. 8,763,163, application

(Continued)

(51) **Int. Cl.**  
**A42B 1/18** (2006.01)  
**A41D 27/08** (2006.01)  
(Continued)

(52) **U.S. Cl.**  
CPC ... **A42B 1/22** (2013.01); **A42B 1/18** (2013.01);  
**A42B 1/24** (2013.01)

(58) **Field of Classification Search**  
CPC ..... A42B 1/248; A42B 1/24; A42B 1/004;  
A42B 1/064; A42B 1/062; A42B 1/02;  
A42B 1/061; A42B 1/18; A42B 1/247;  
A42B 3/0406; A42B 1/067; A42B 1/068;

A42B 1/205; A42B 1/241; A42B 1/244;  
A42B 3/02; A41D 2400/70; Y10S 2/918;  
Y10S 2/11; Y10S 2/909; G09F 21/02; G09F  
2021/023; G09F 3/16; G09F 7/00; A44B  
1/04; A44B 1/14; A44B 17/0047; A44B 1/32;  
A44C 3/001; A44C 25/007; A44C 5/00  
See application file for complete search history.

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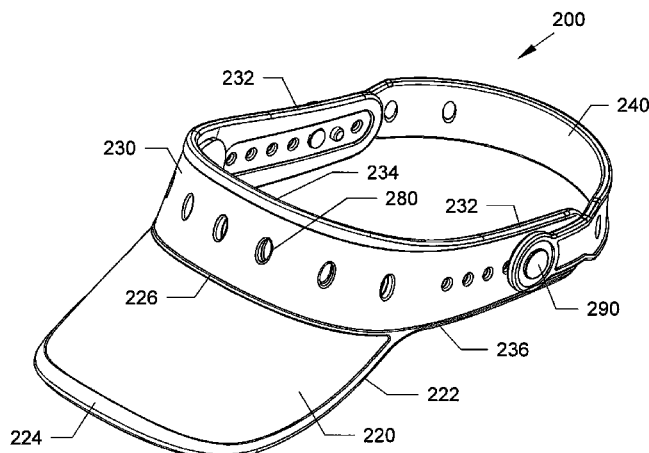
*Primary Examiner* — Bobby Muromoto, Jr.

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(57) **ABSTRACT**

Visors and methods of using a soft type foam visor having a brim and headband formed from a pliable and flexible material, such as but not limited to EVA which includes ethylene vinyl acetate, with or without patterns of through-holes and partial cutouts for allowing accessories such as labels, charms, badges, puncture tool and sunglass/eyeglass supports and the like, to be plugged into the holes and cut-outs and easily removable and interchangeable with other accessories. A removable rear head strap be attached to the visor, having a plurality of holes with fasteners to adjust the strap to different head sizes.

**20 Claims, 28 Drawing Sheets**



**Related U.S. Application Data**

No. 14/593,640, which is a continuation-in-part of application No. 29/477,813, filed on Dec. 27, 2013, now Pat. No. Des. 749,303.

(60) Provisional application No. 61/565,627, filed on Dec. 1, 2011.

**(51) Int. Cl.**

*A42B 1/22* (2006.01)

*A42B 1/24* (2006.01)

*A42B 1/00* (2006.01)

*A41D 27/00* (2006.01)

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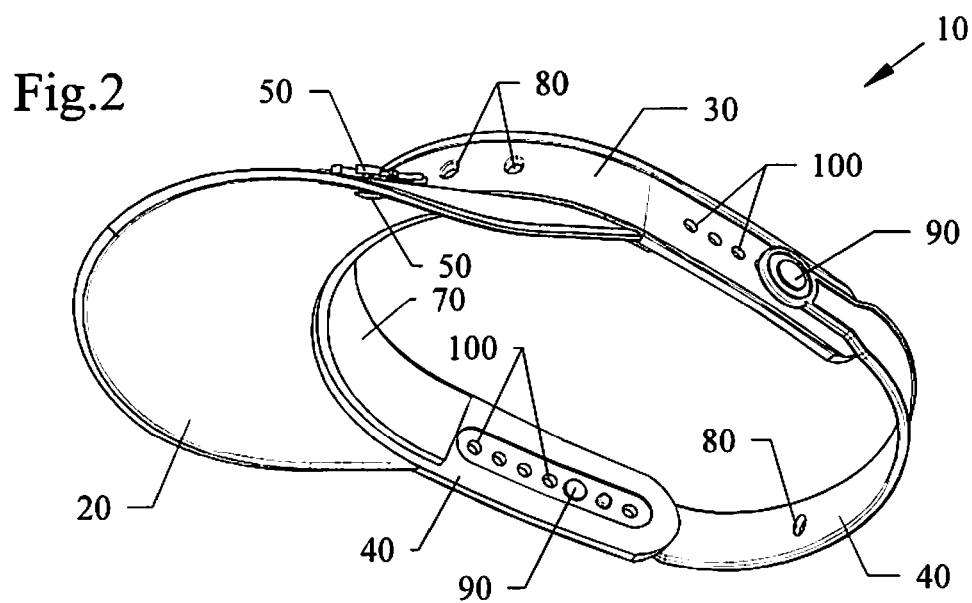
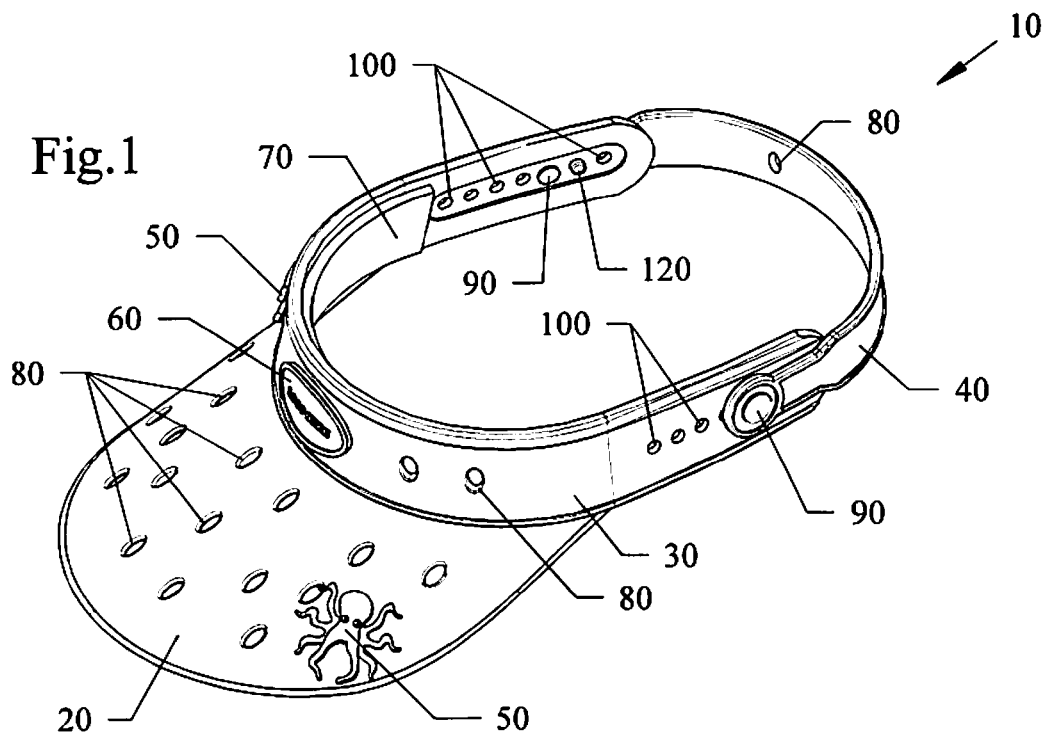
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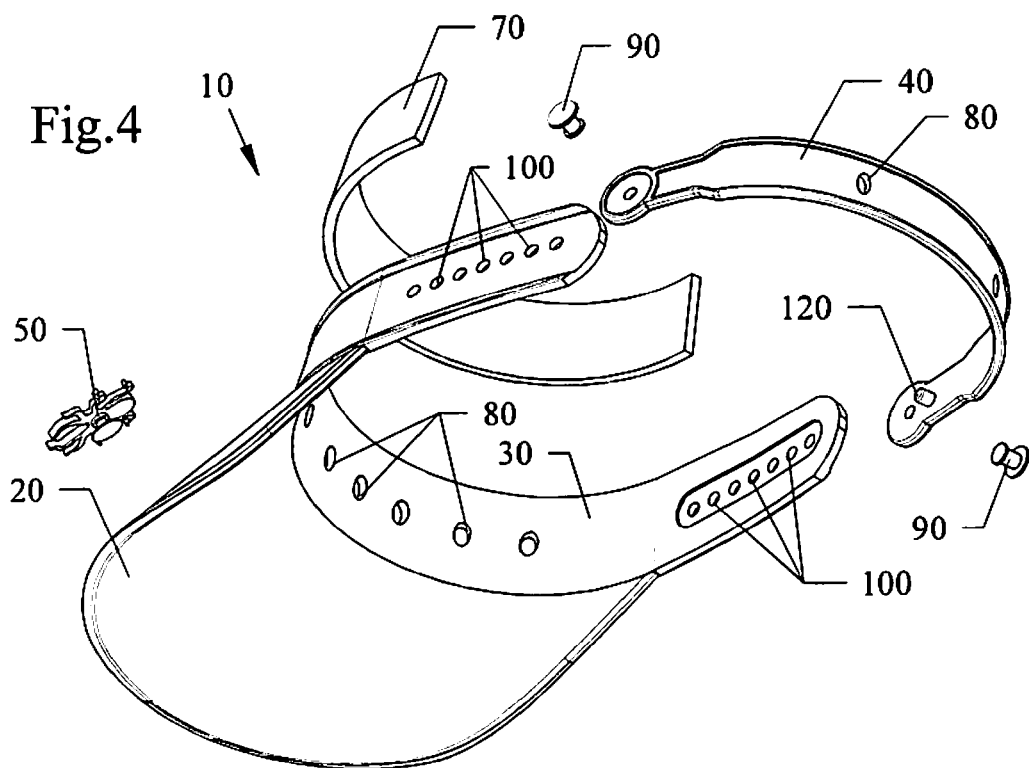
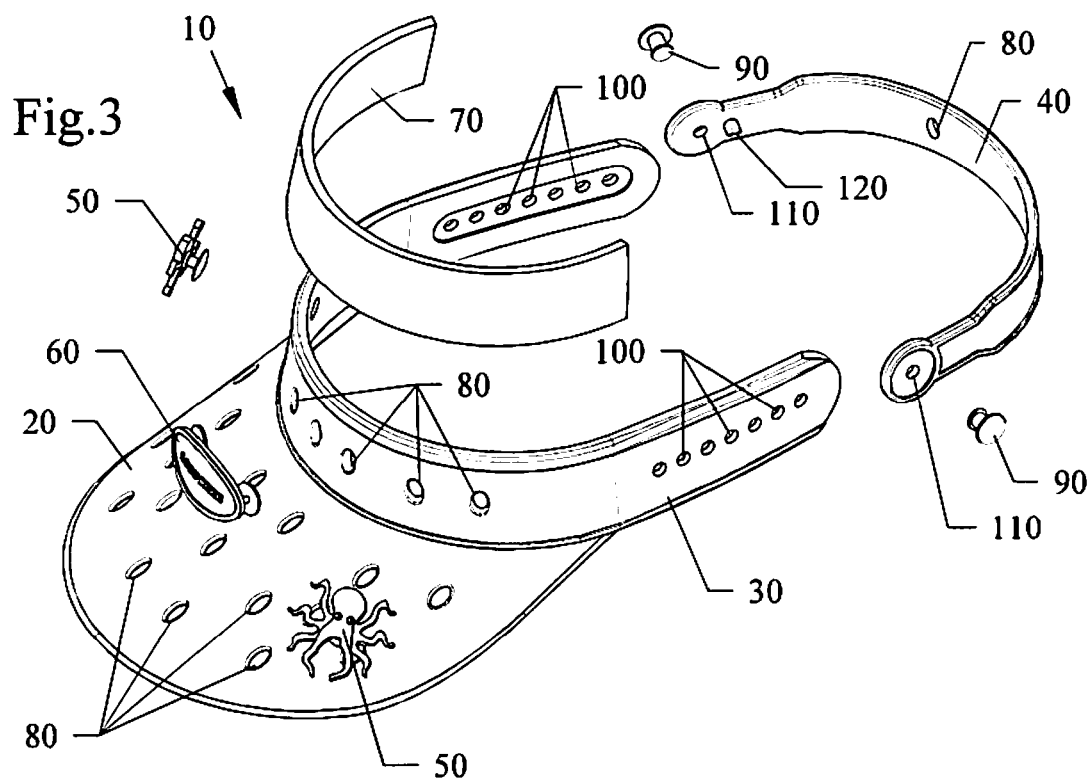
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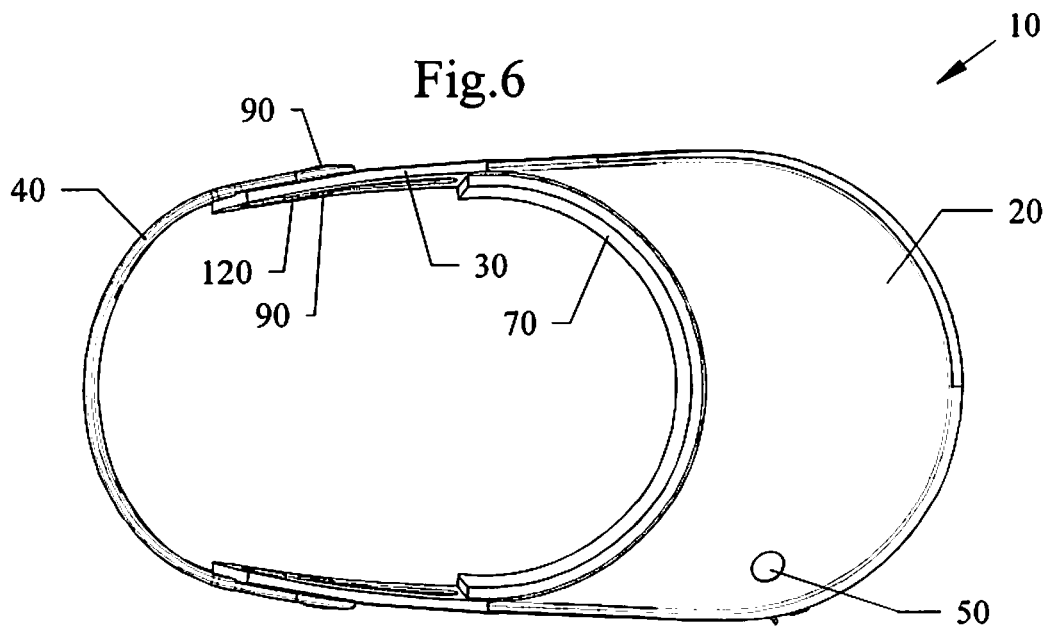
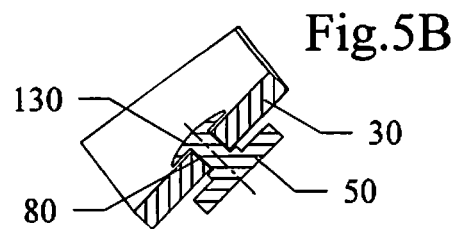
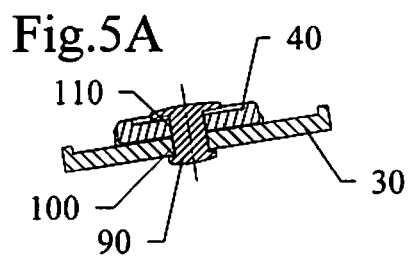
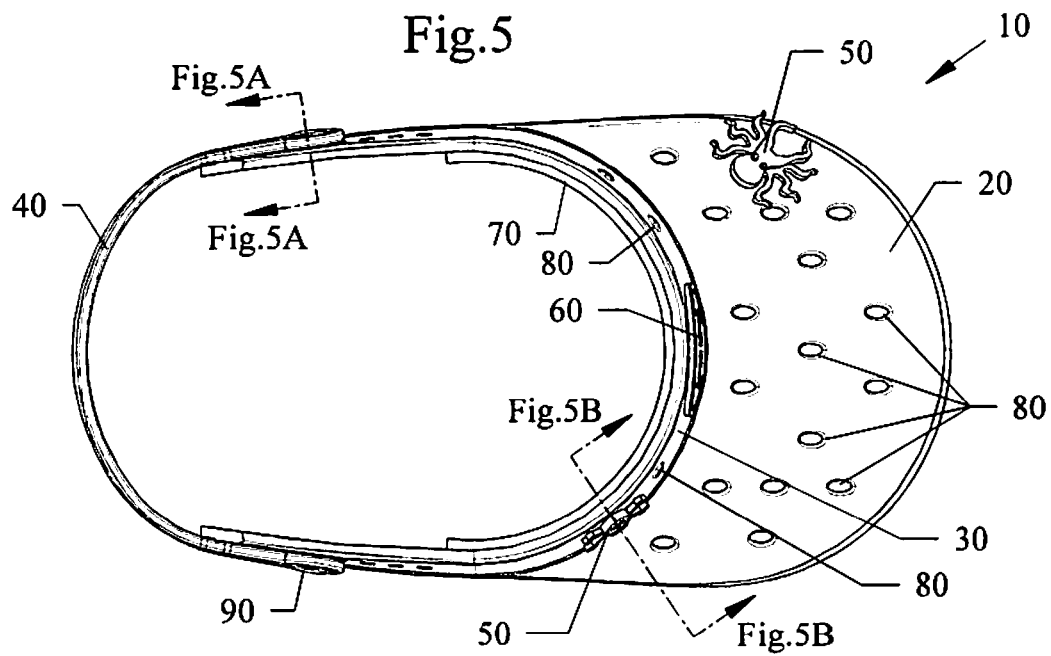


Fig.7

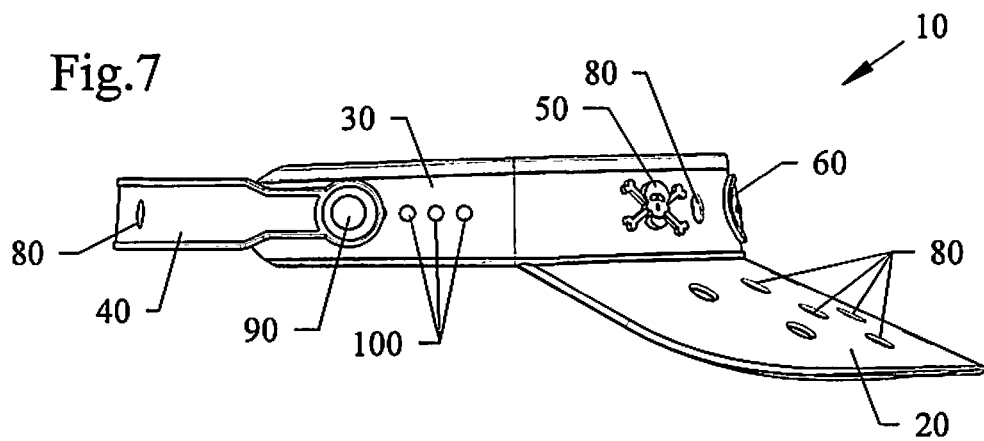


Fig.8

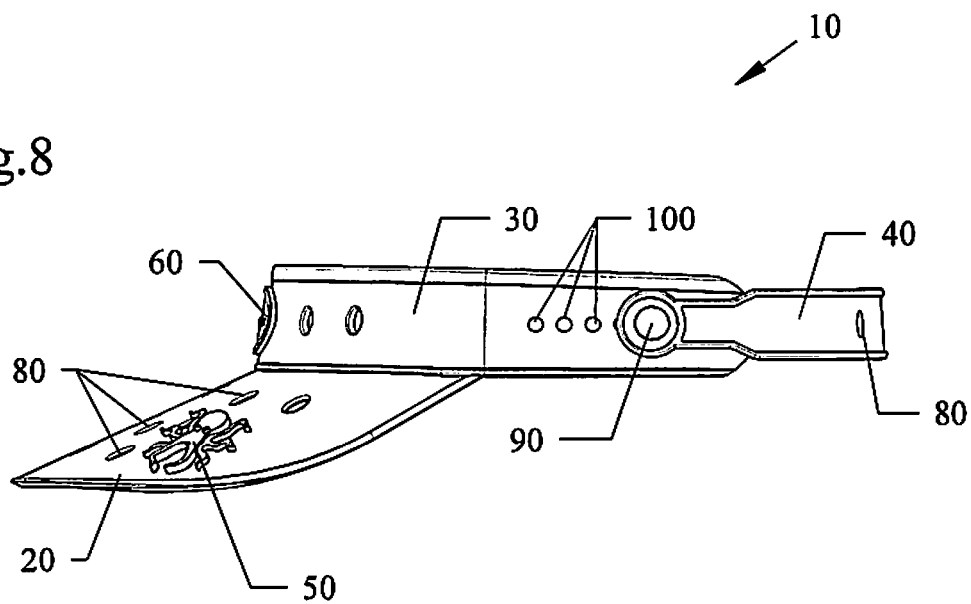


Fig.9

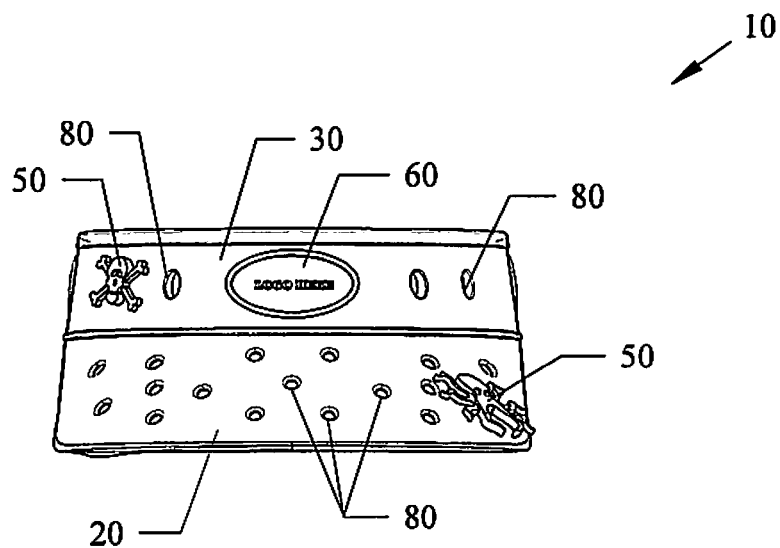


Fig.10

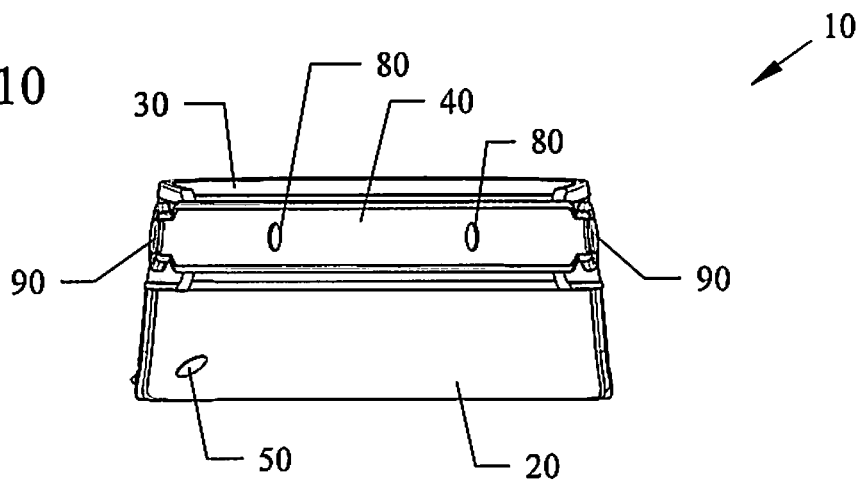


Fig.11

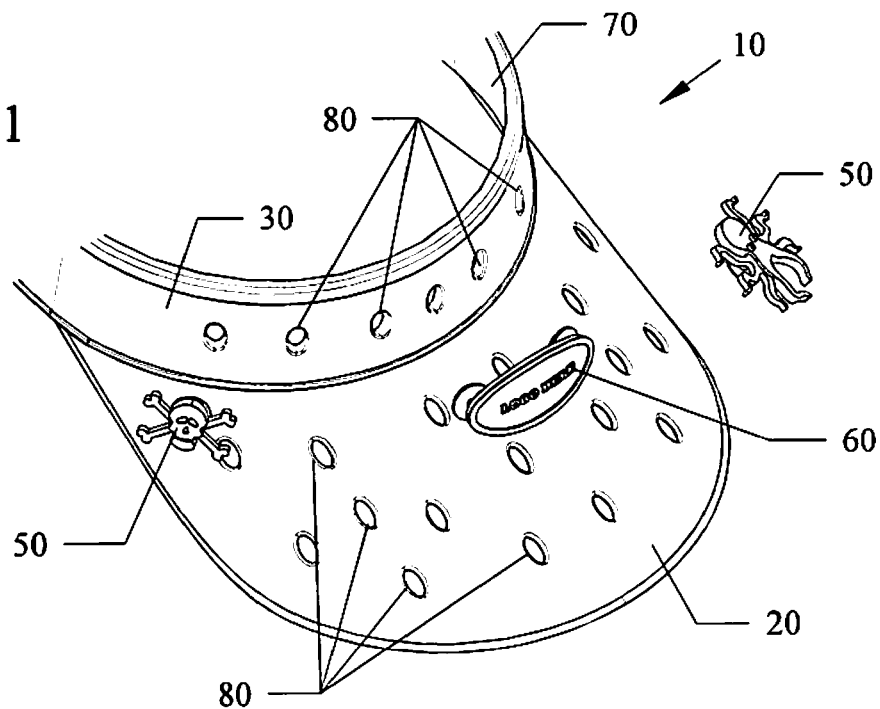


Fig.12

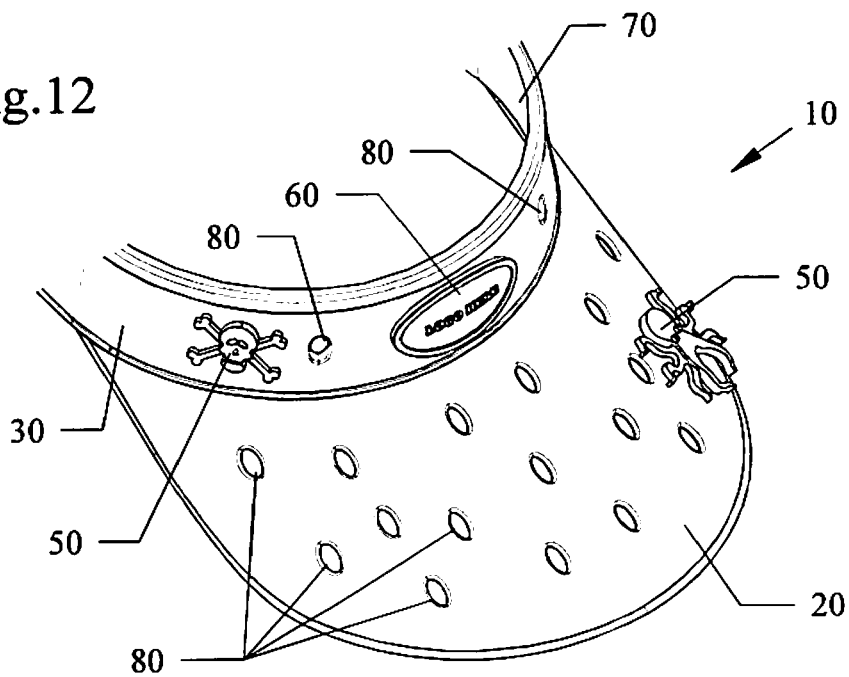


Fig.13

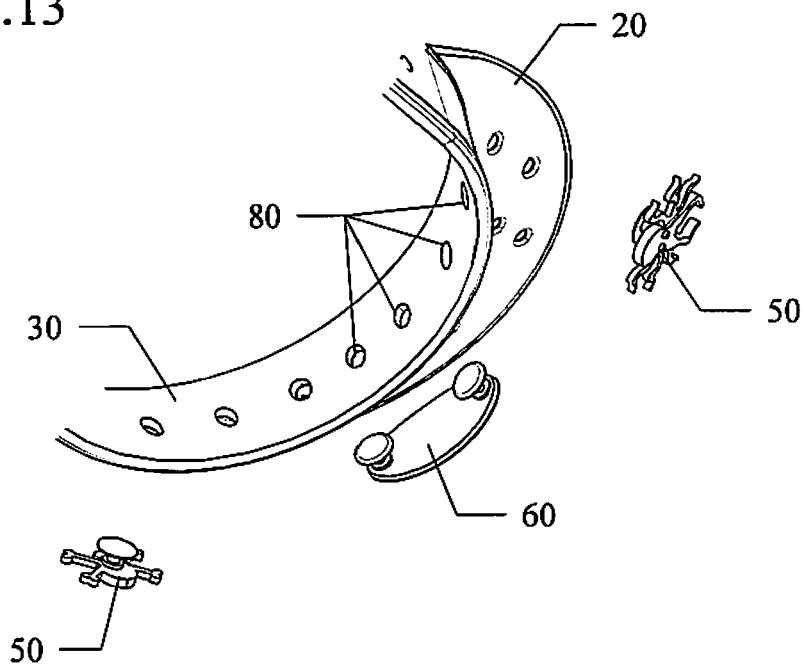


Fig.14

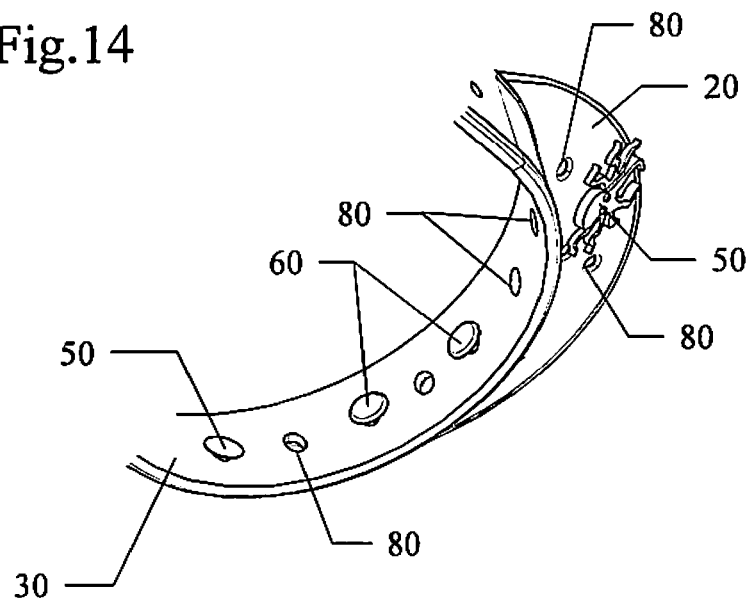


Fig.17

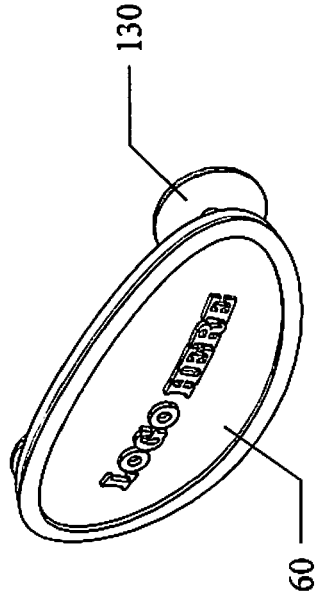


Fig.18

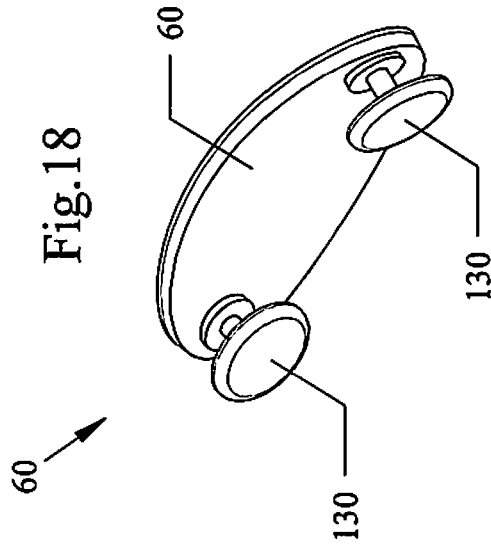


Fig.15

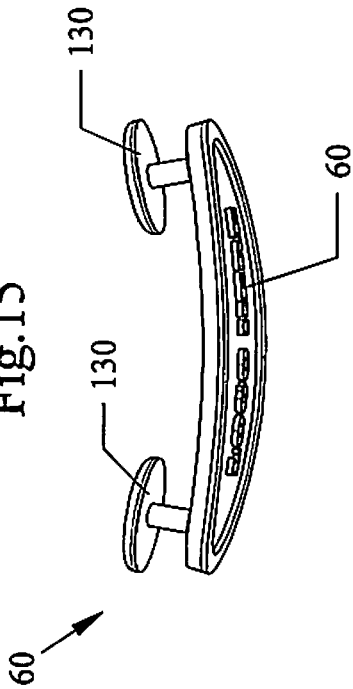
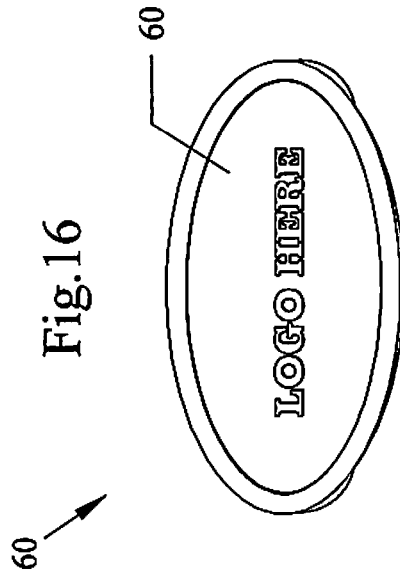
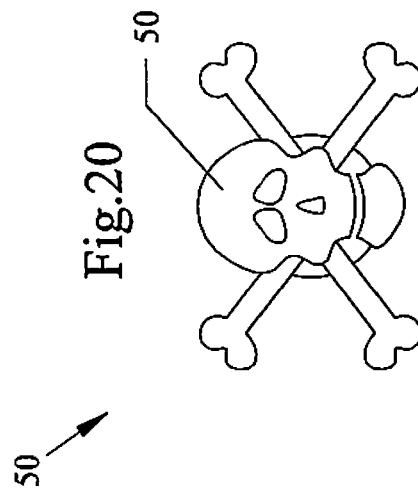
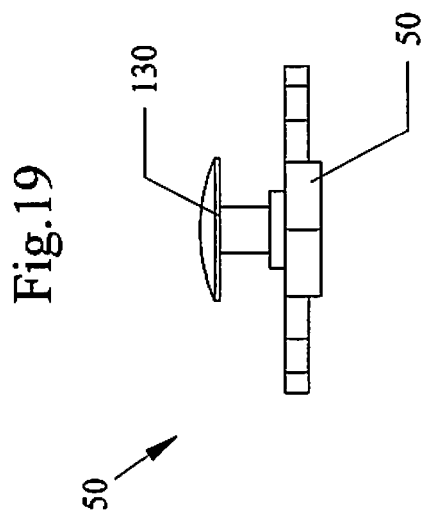
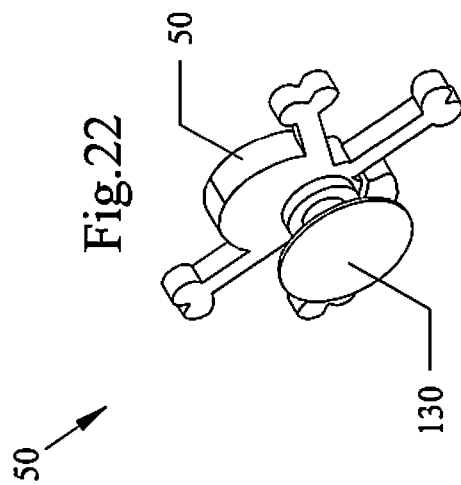
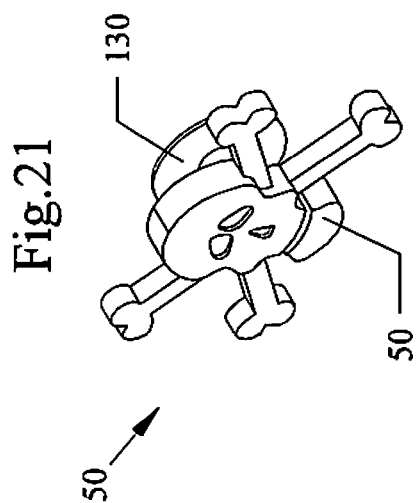


Fig.16





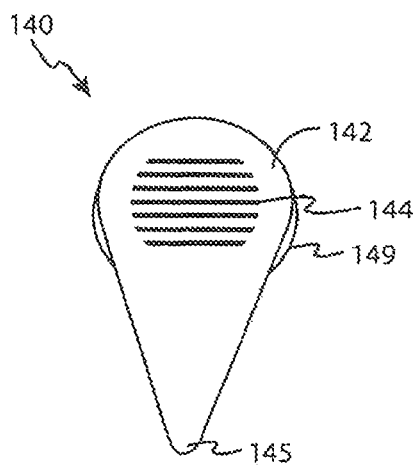


FIG. 23

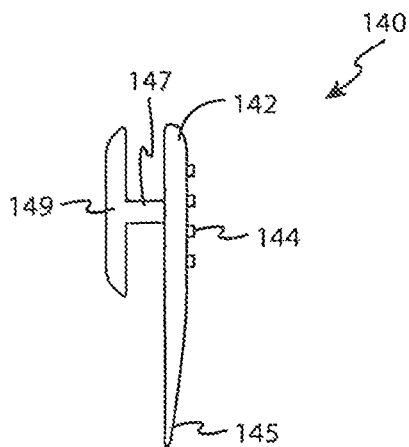
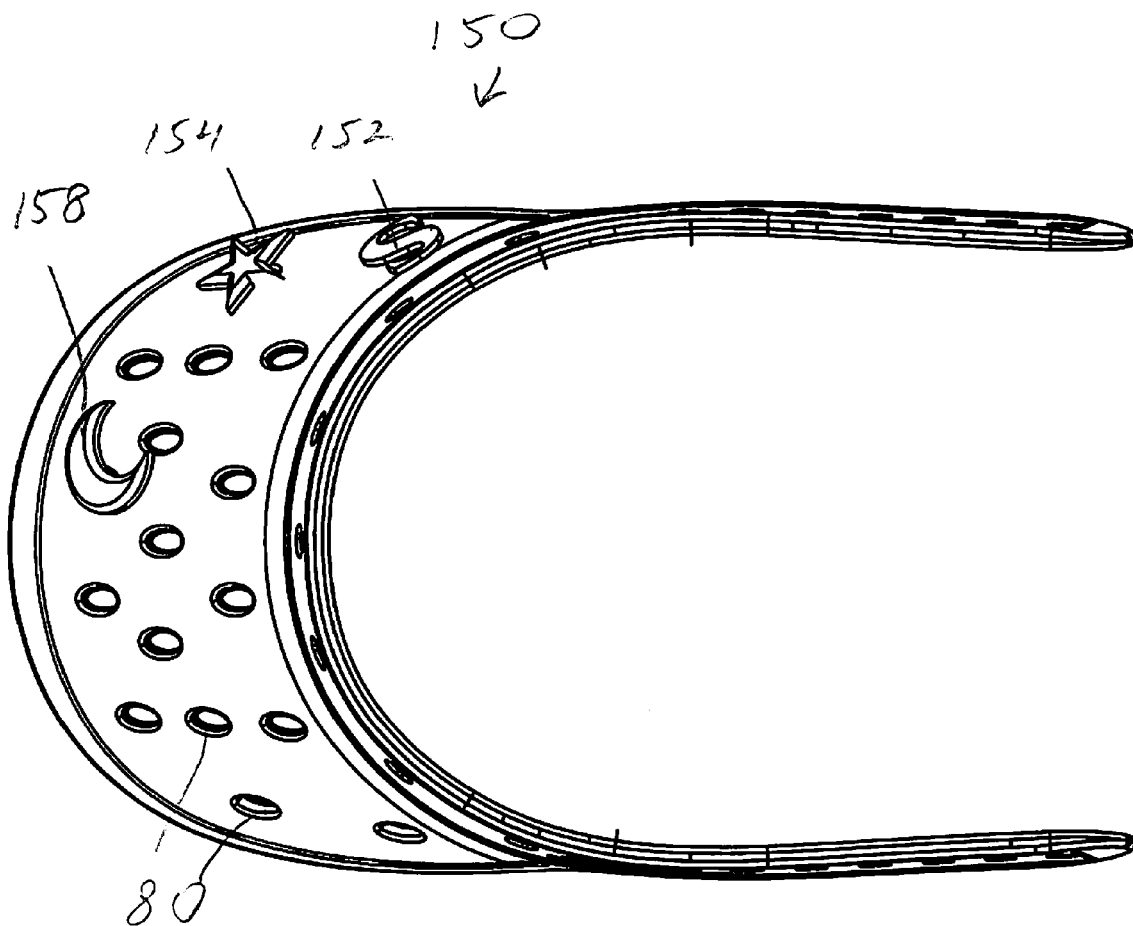


FIG. 24

Fig. 25



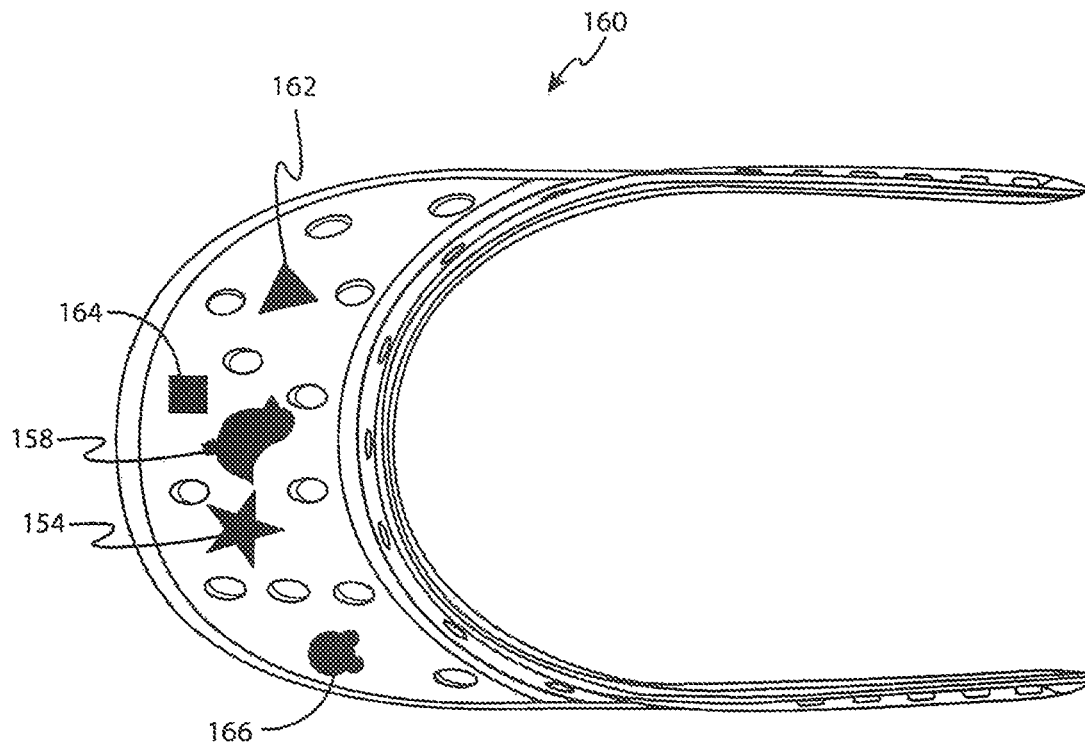
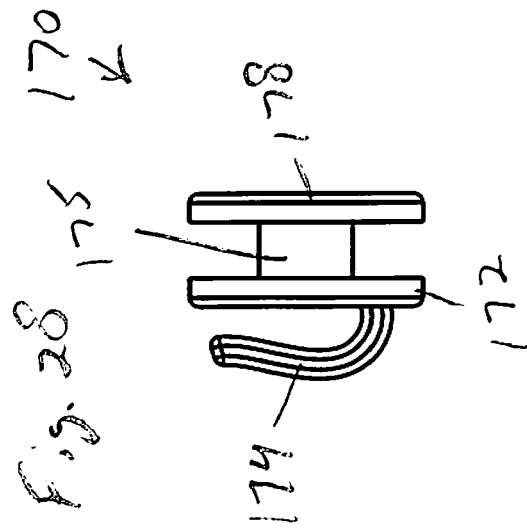
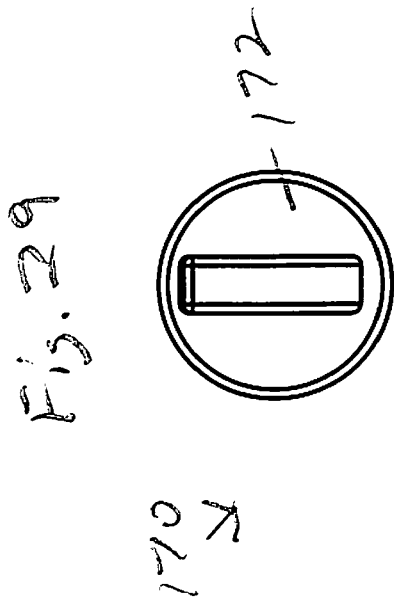
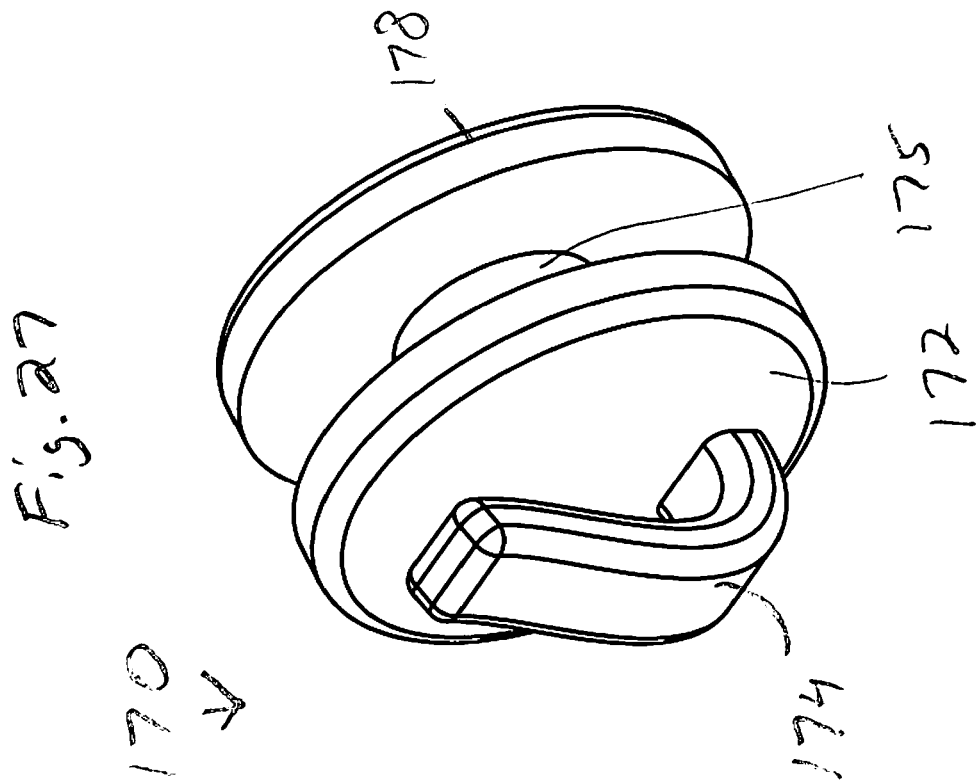
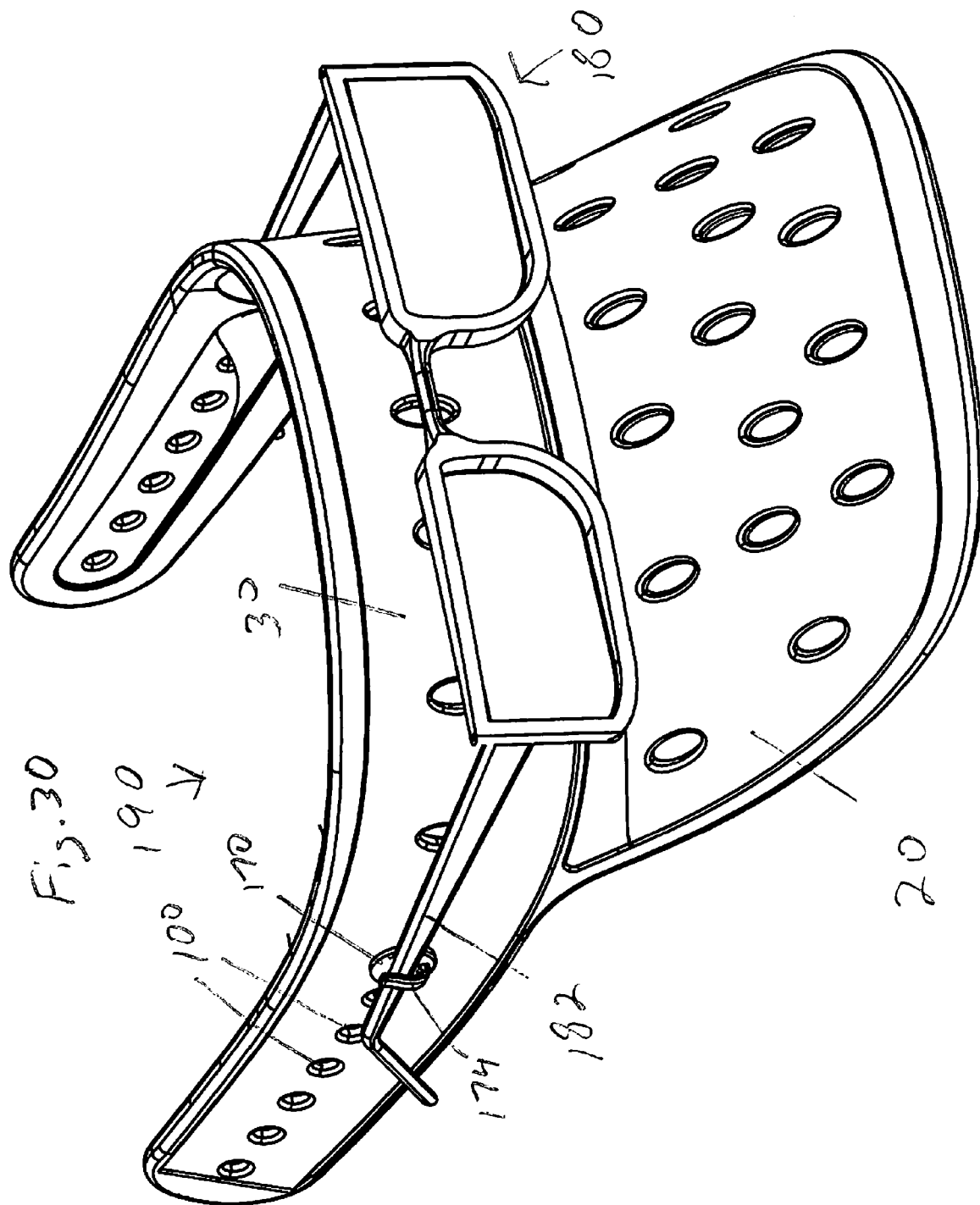


FIG. 26





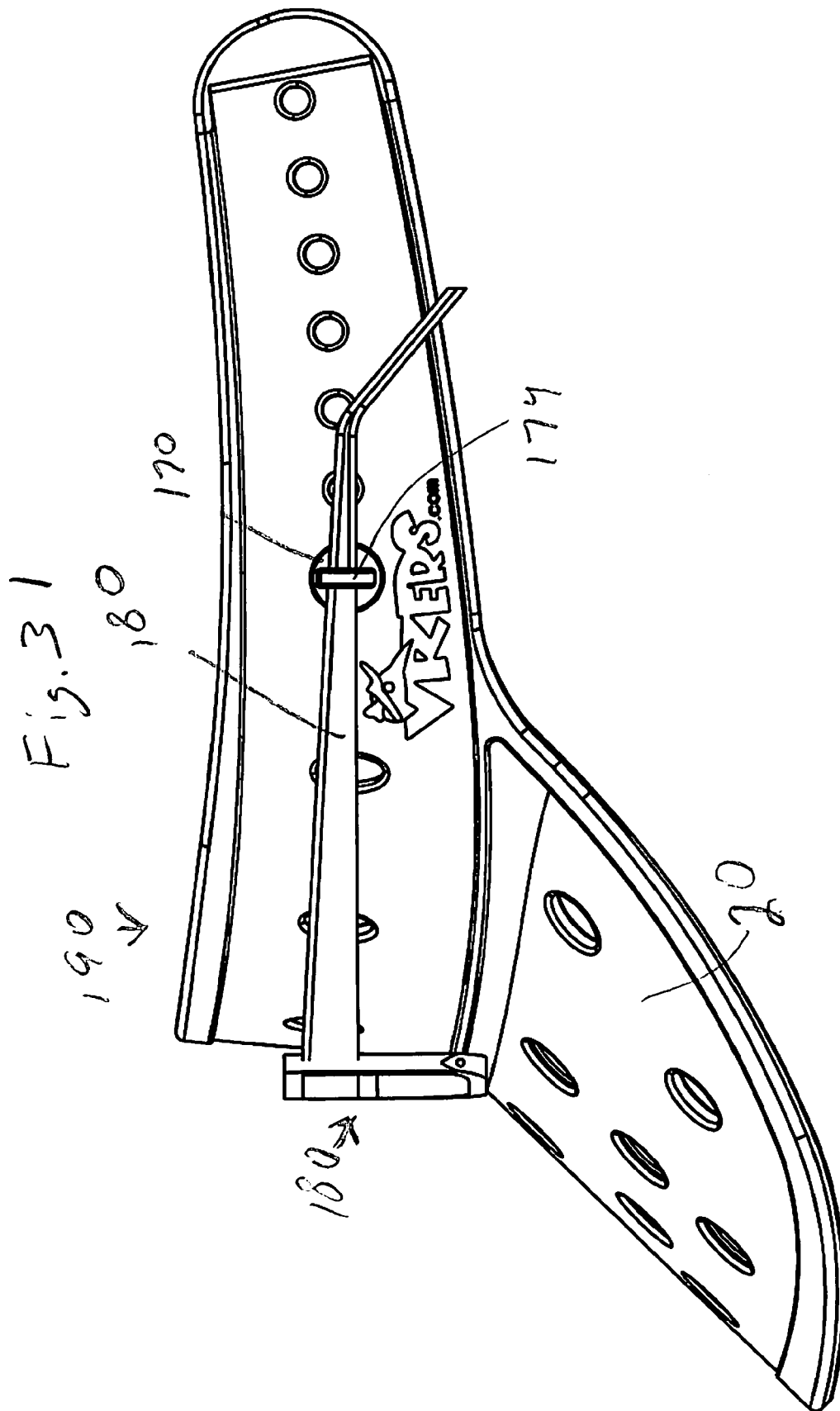


Fig. 32

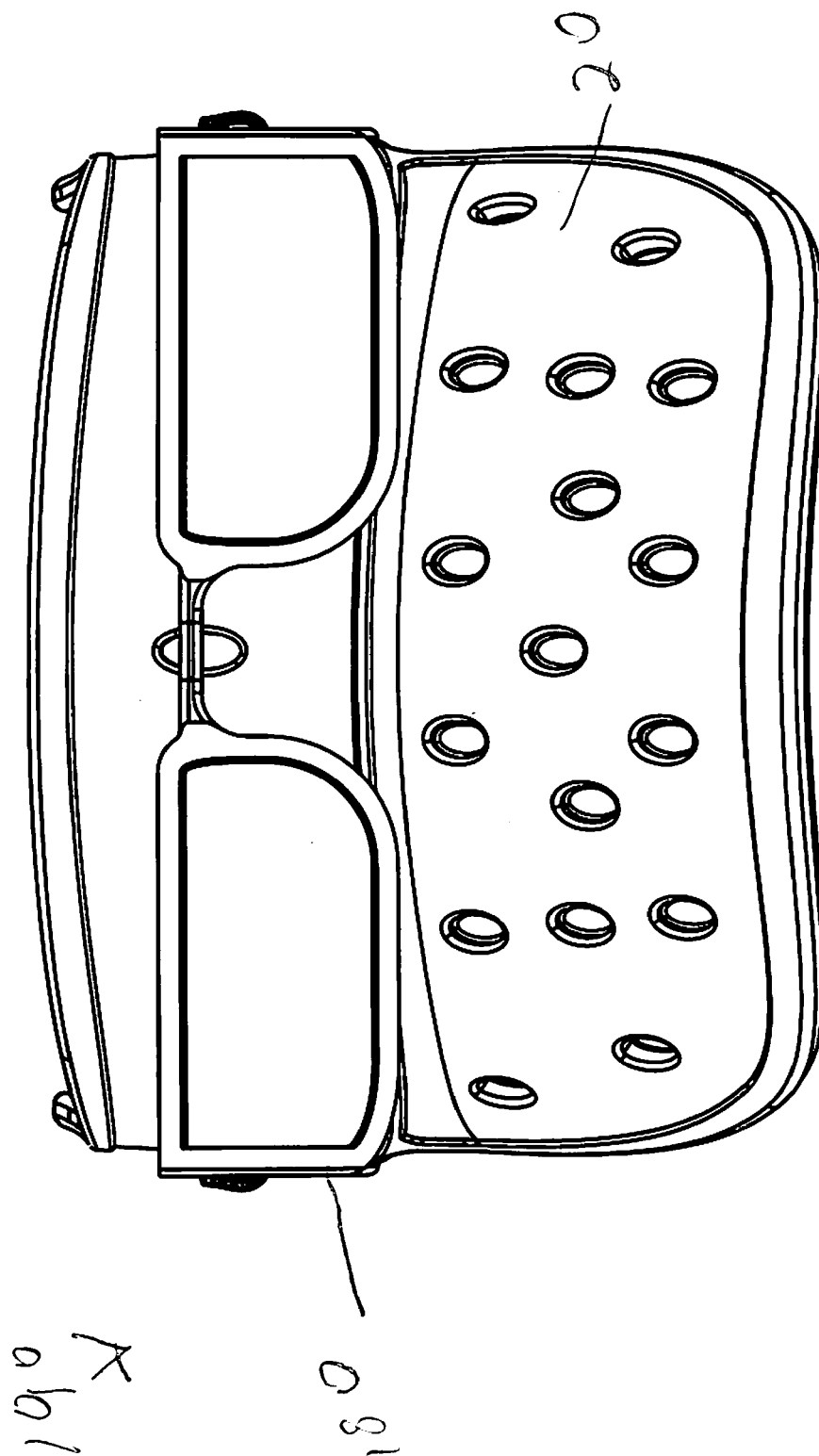


FIG. 33

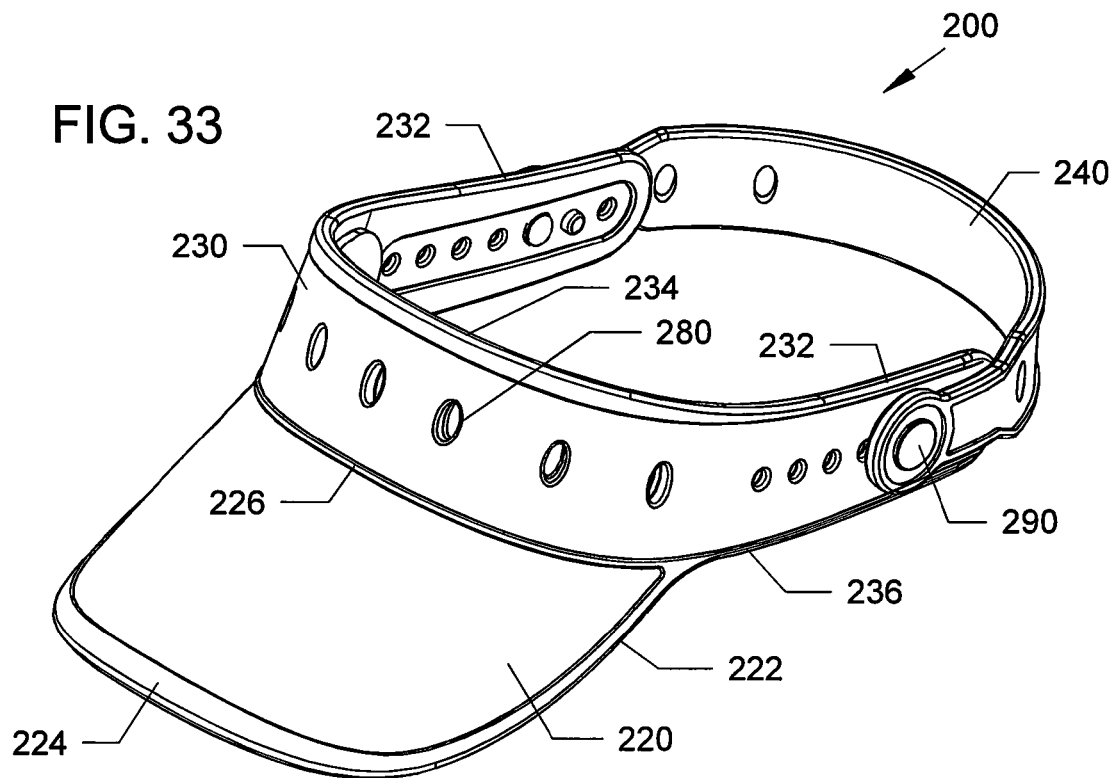


FIG. 34

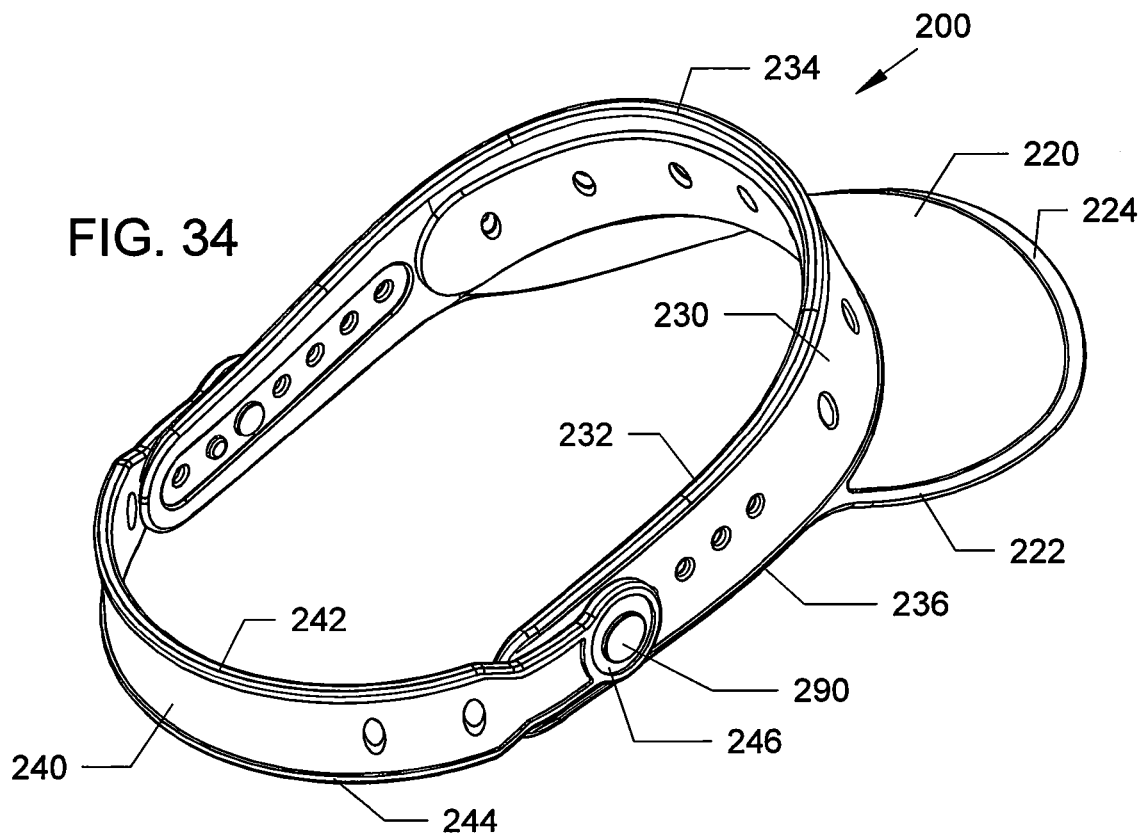


FIG. 35

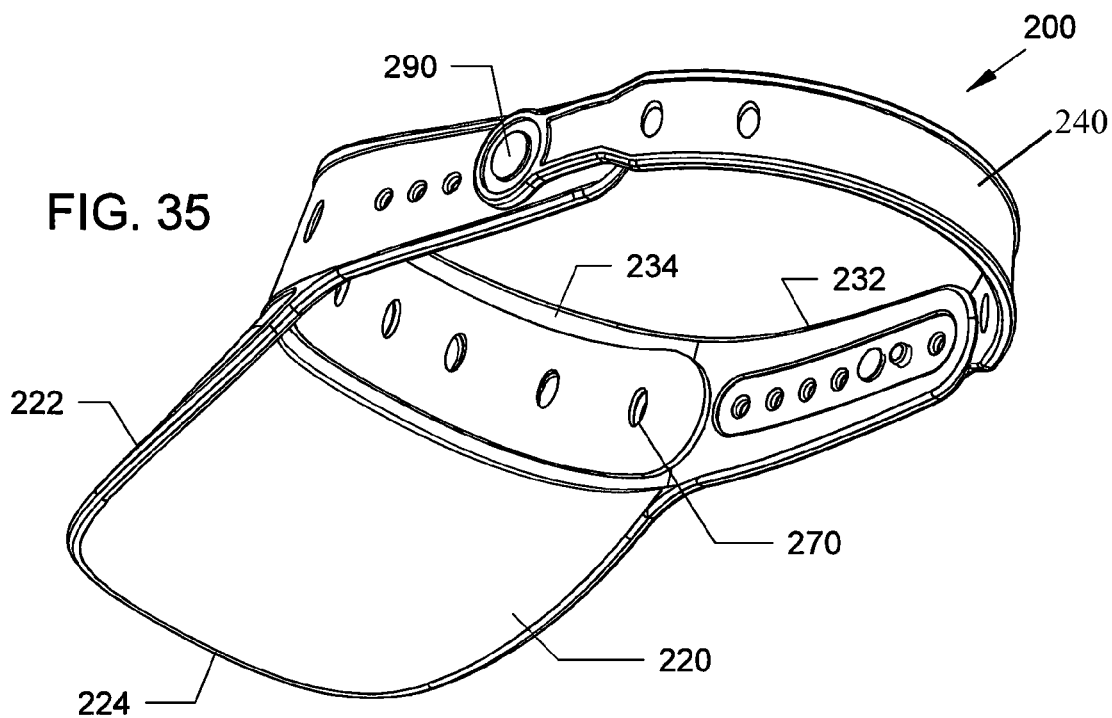


FIG. 36

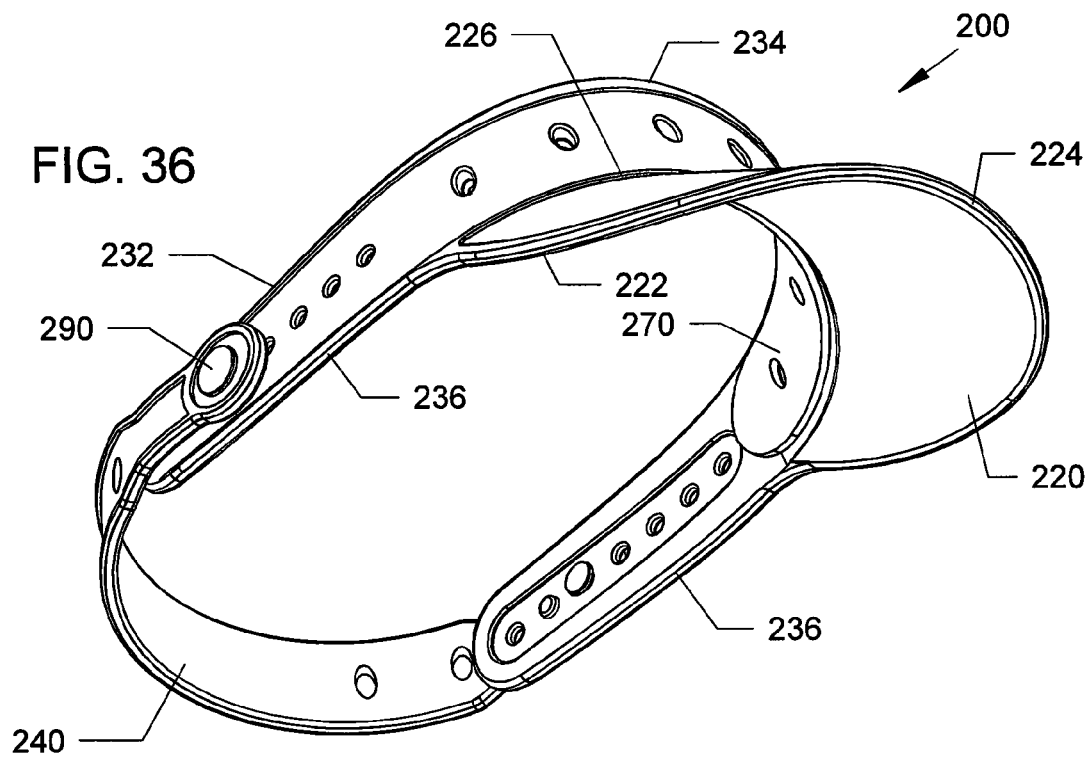


FIG. 37

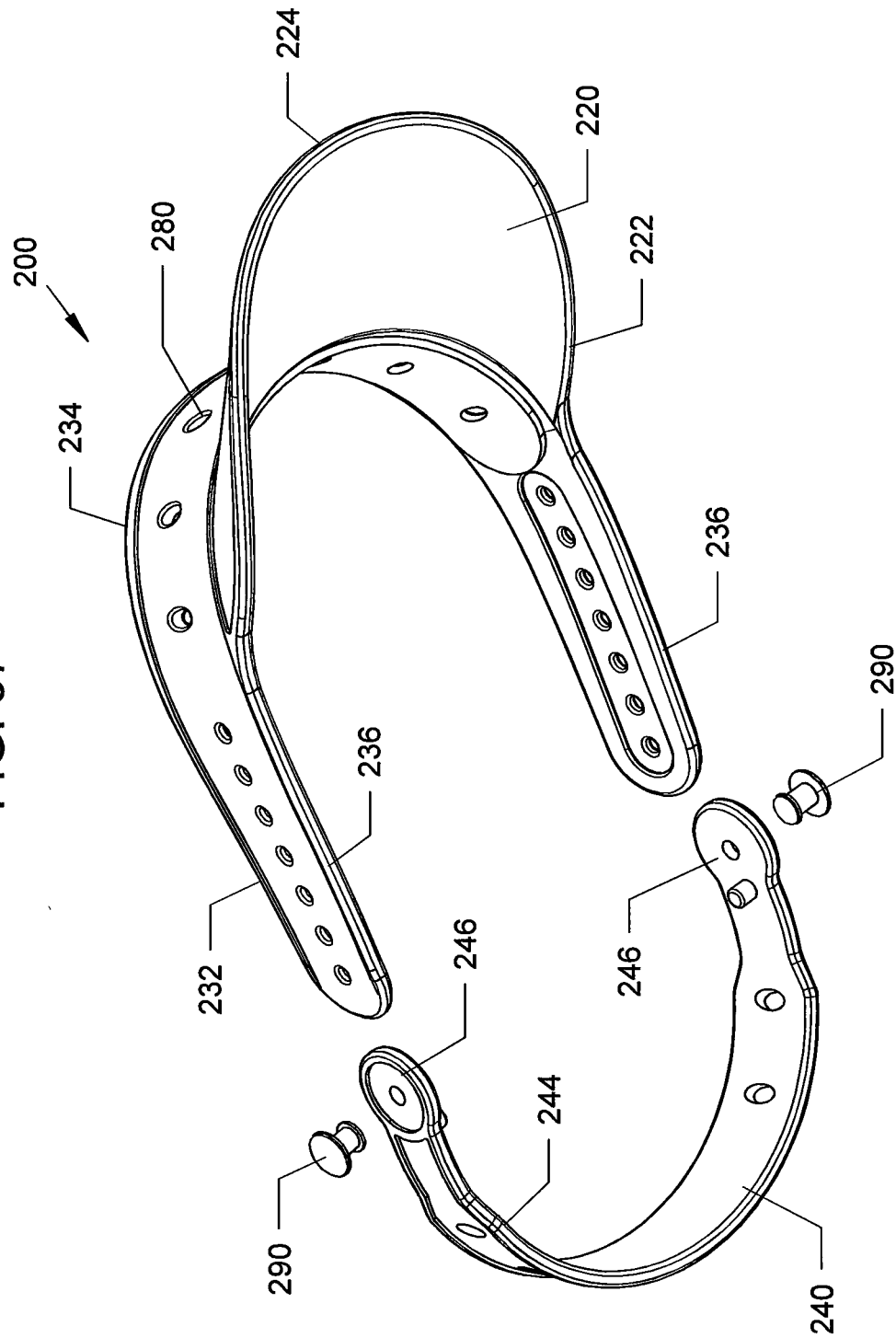


FIG. 38

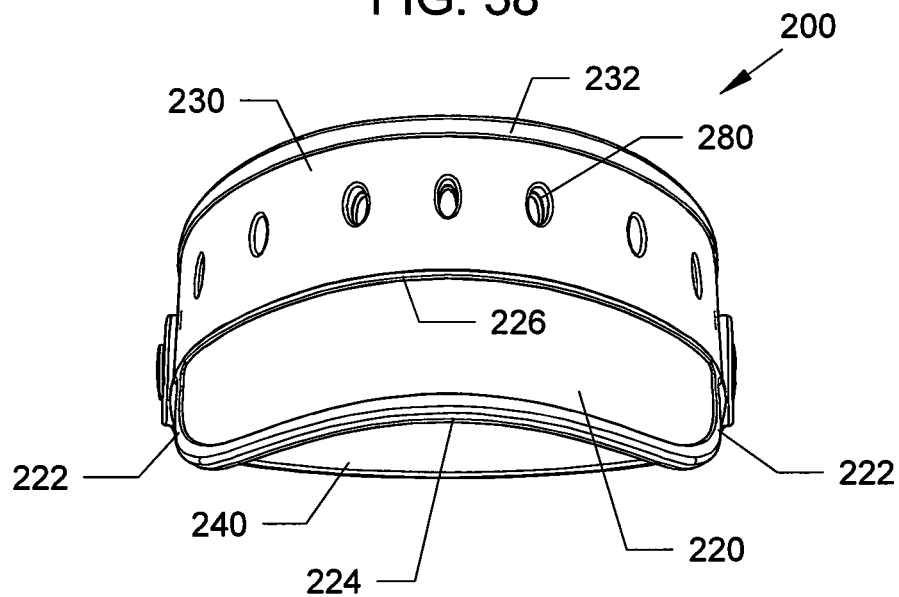
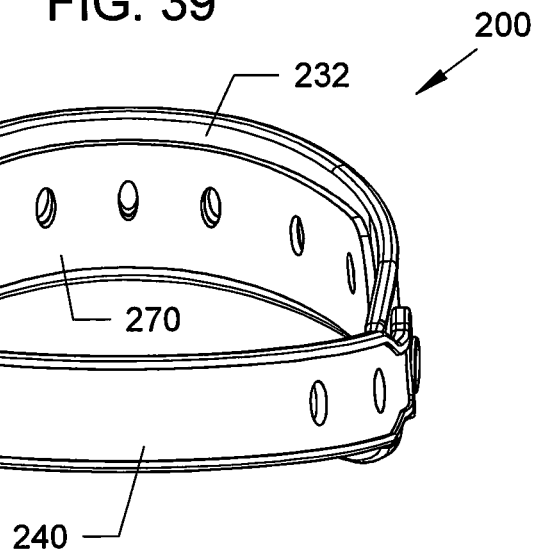


FIG. 39



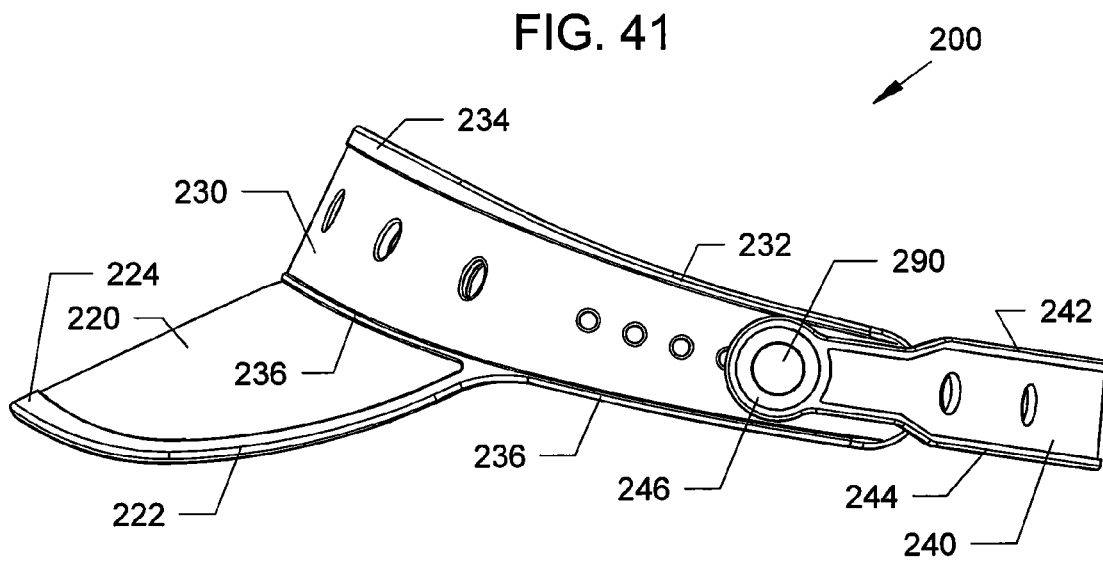
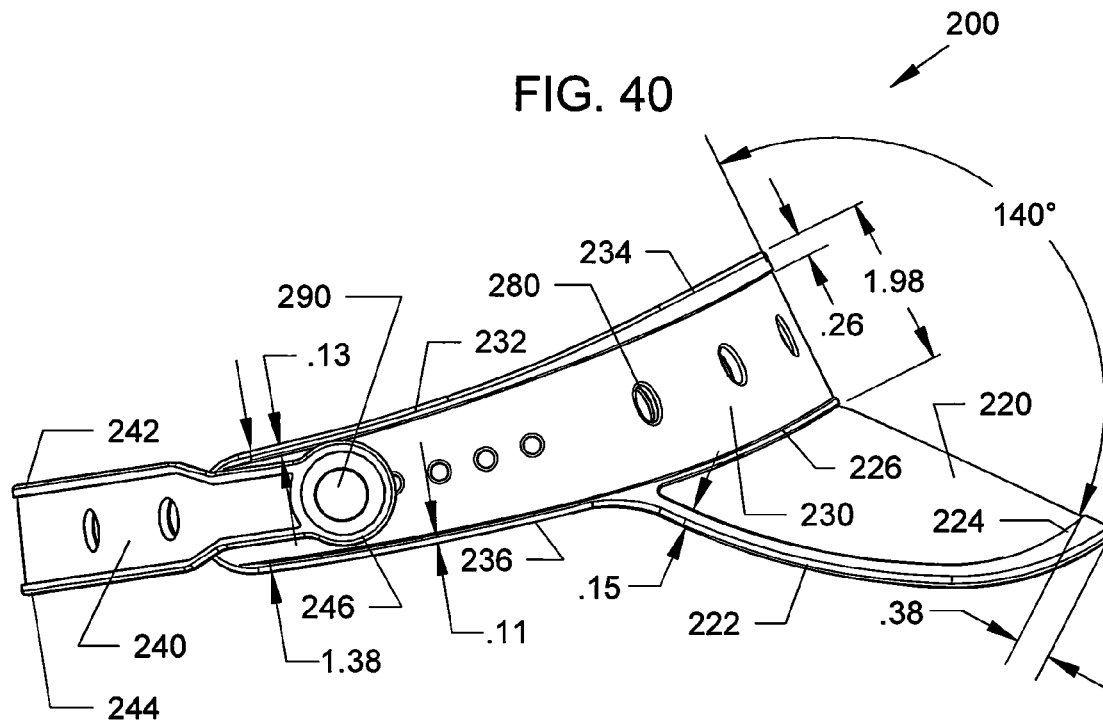


FIG. 42

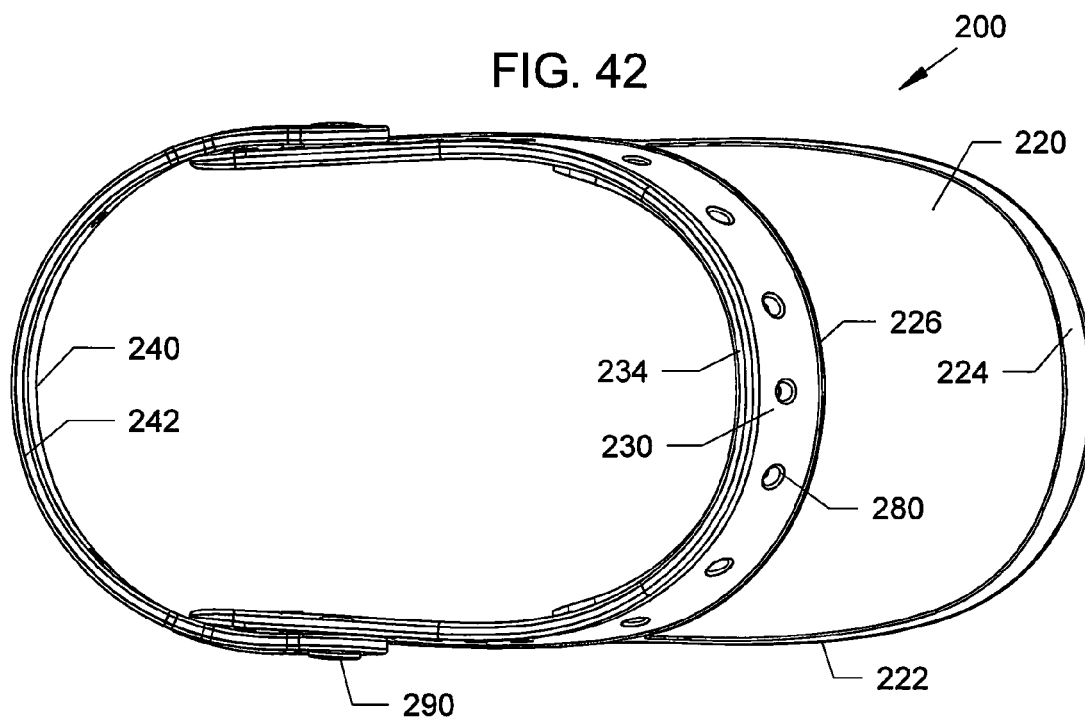


FIG. 43

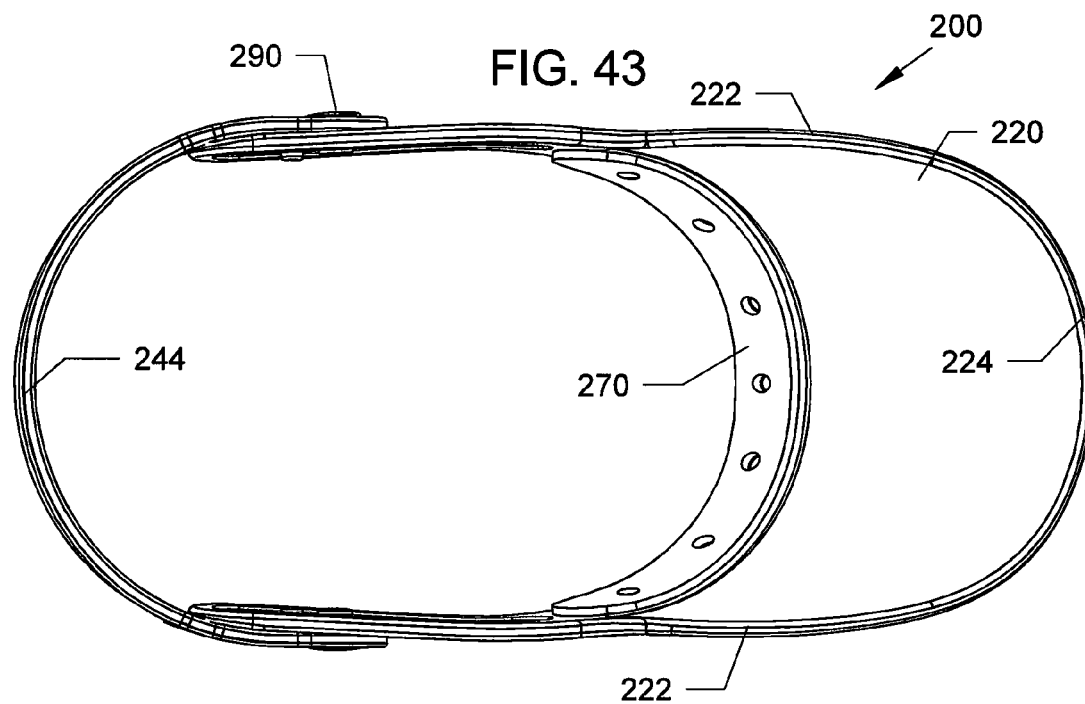


FIG. 44

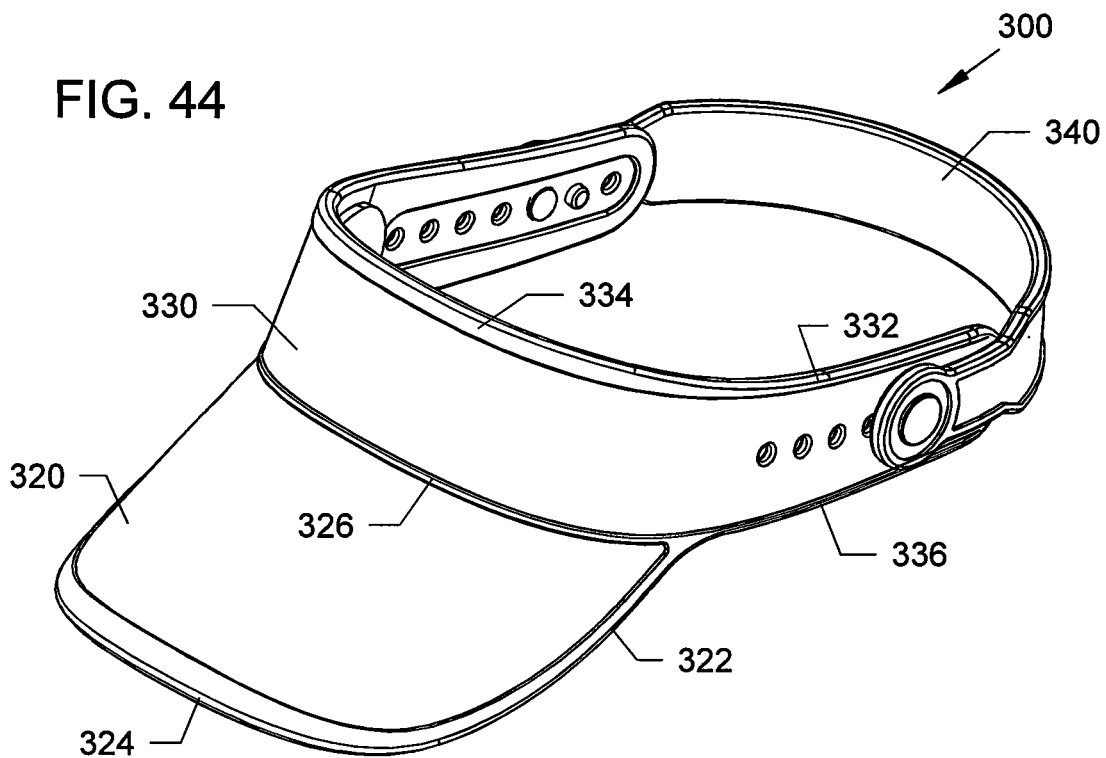
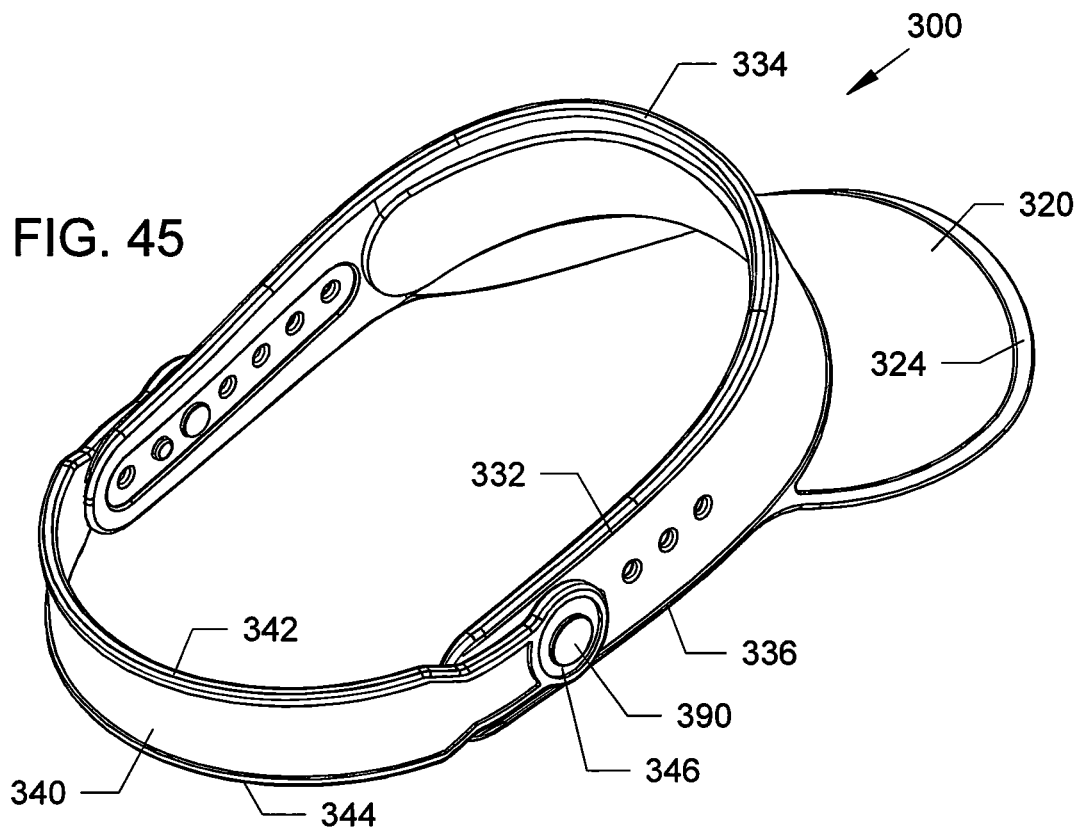
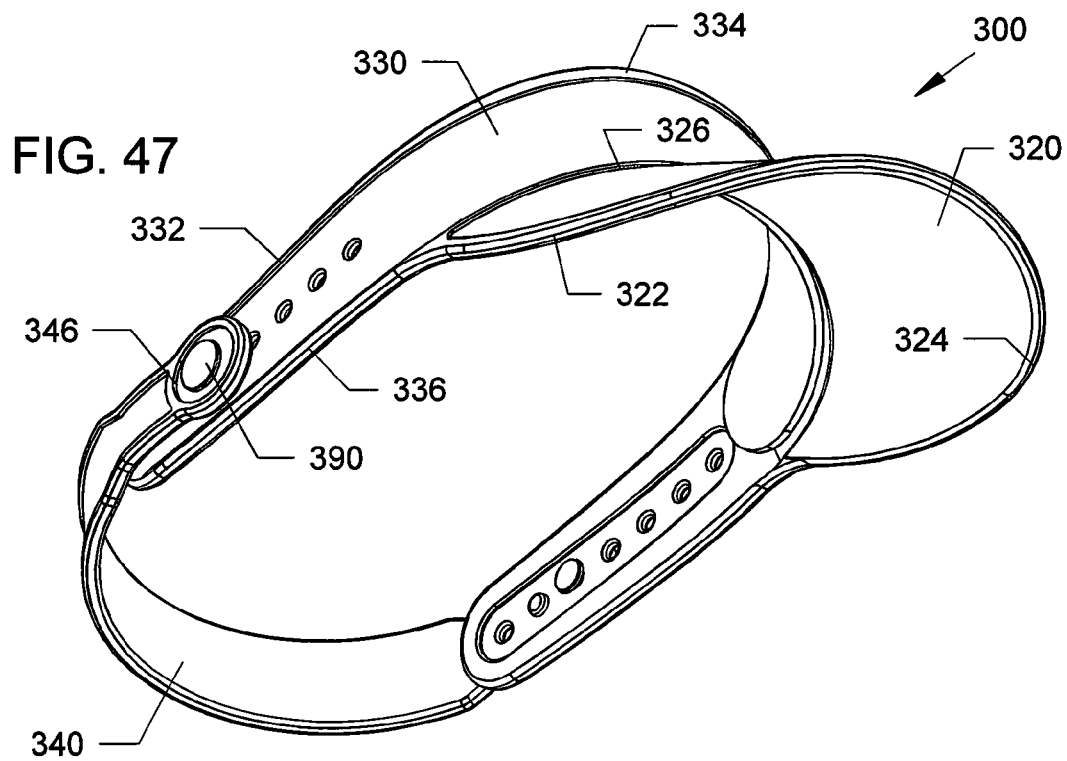
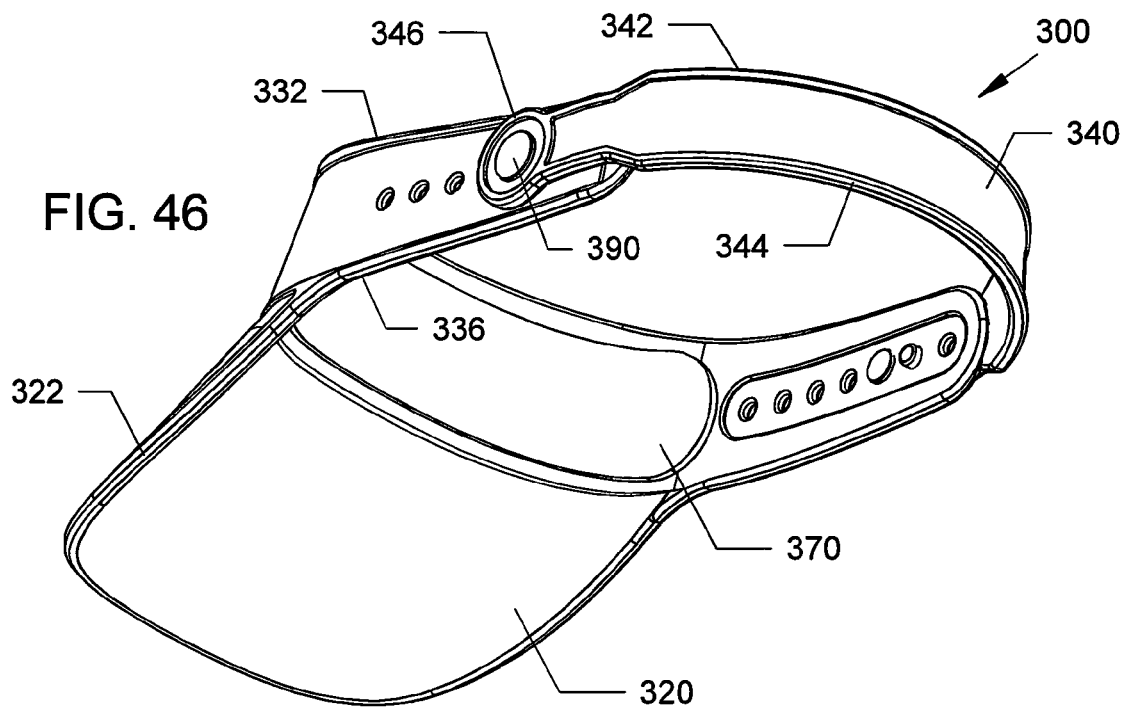


FIG. 45





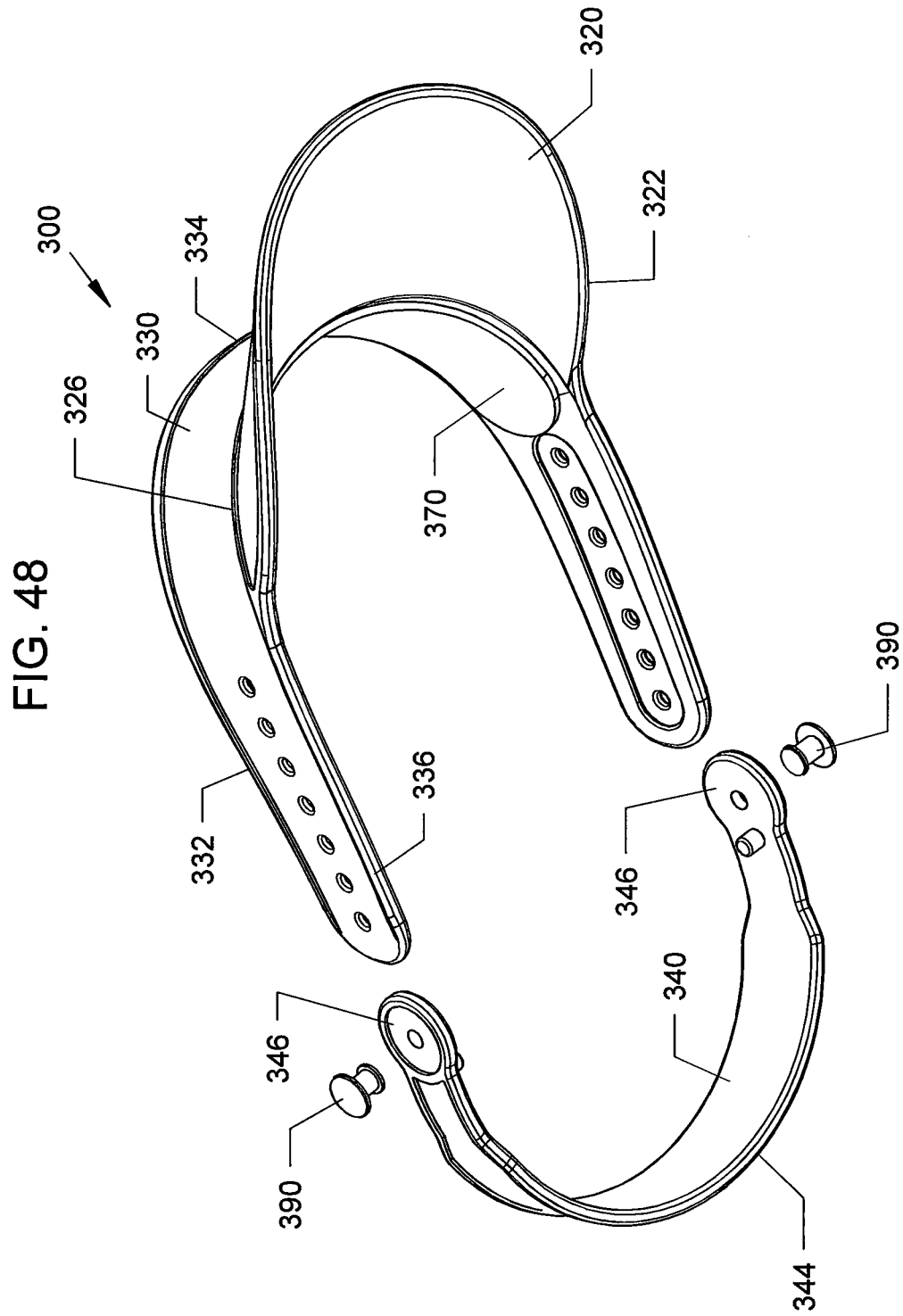


FIG. 49

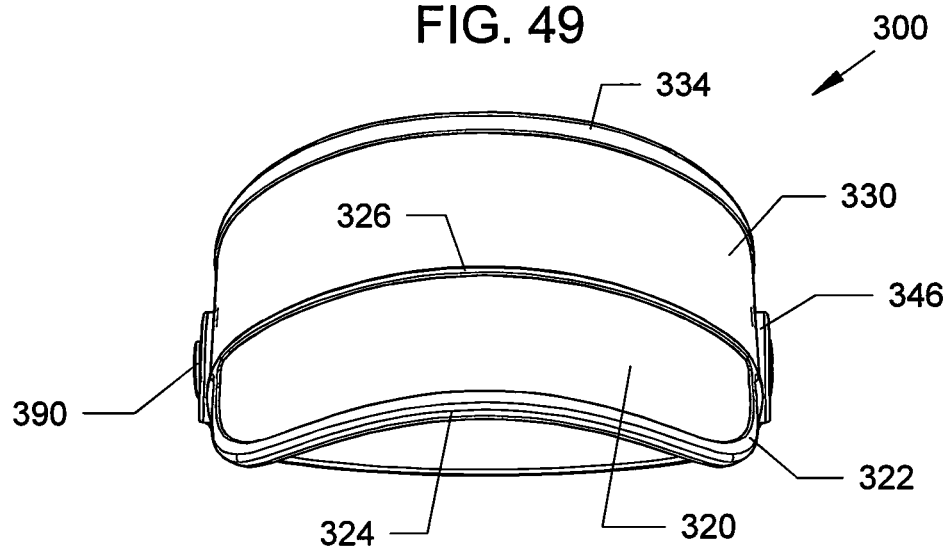


FIG. 50

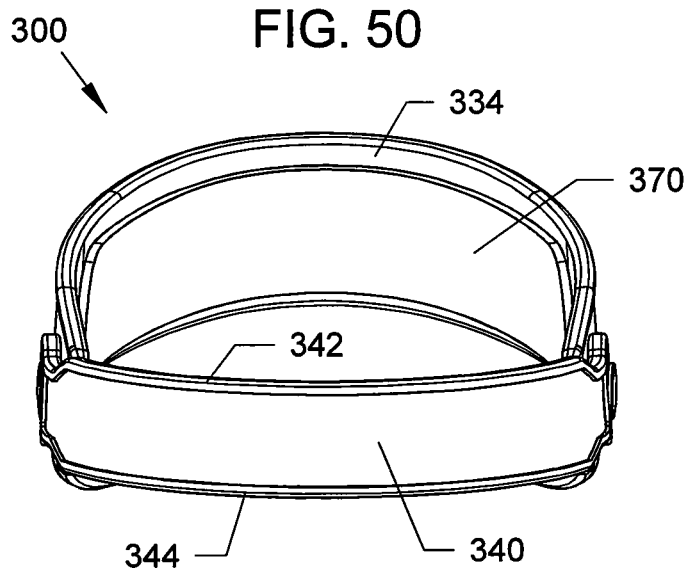


FIG. 51

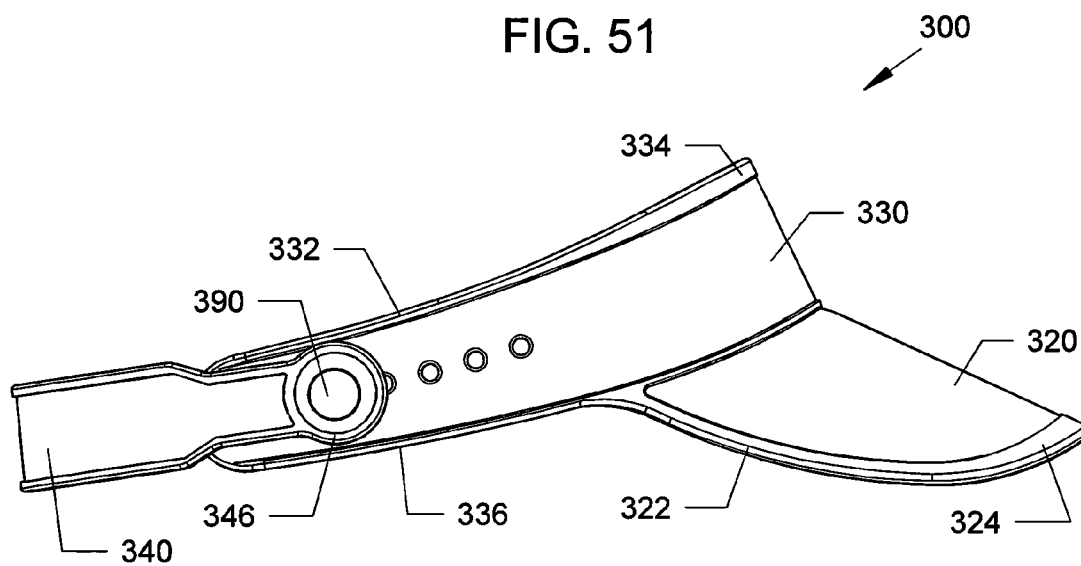


FIG. 52

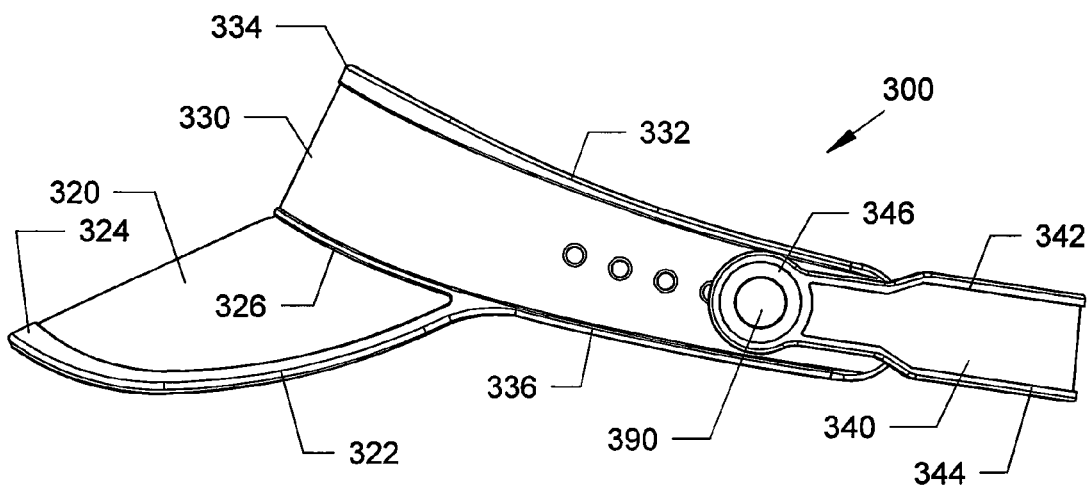


FIG. 53

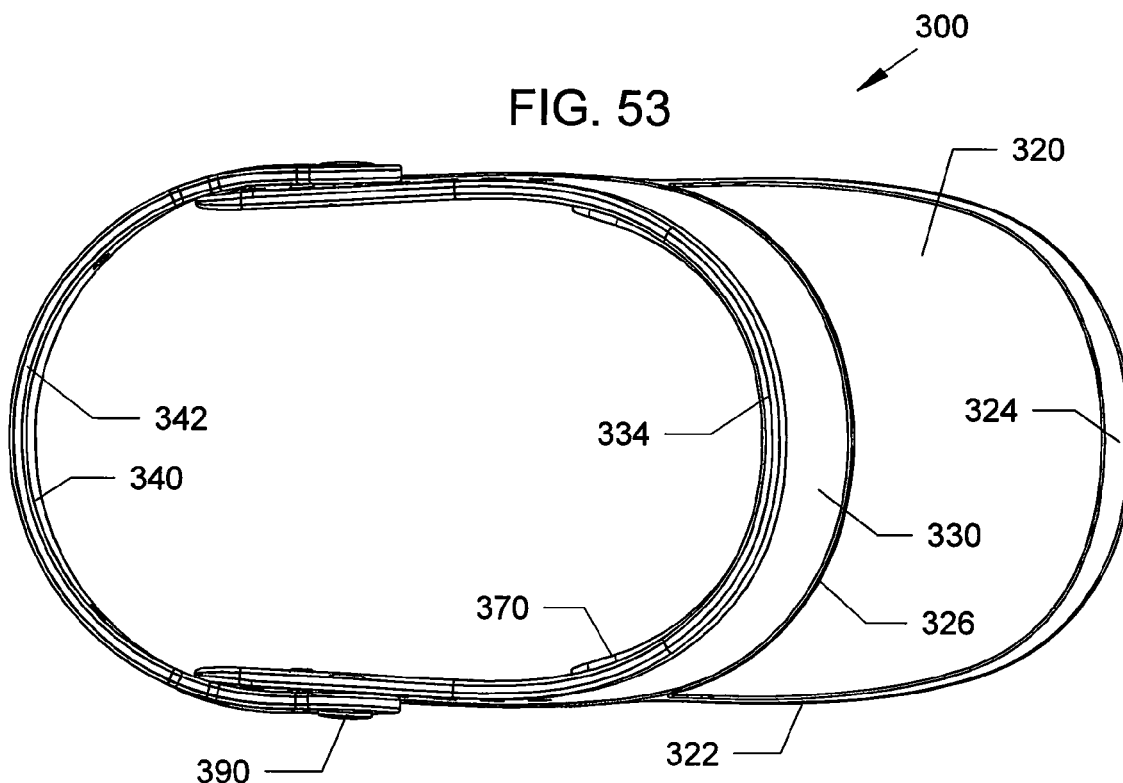
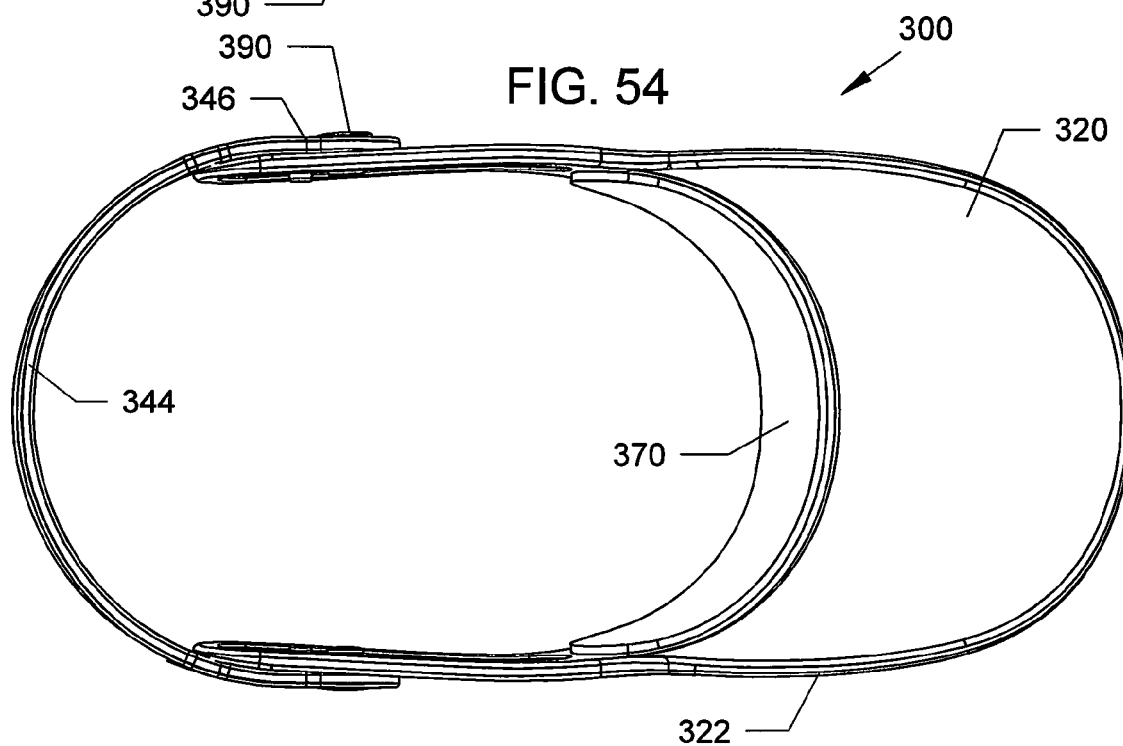


FIG. 54



**VISOR IMPROVEMENTS****RELATED APPLICATIONS**

This application is a Continuation in Part of U.S. patent application Ser. No. 14/279,994 filed May 16, 2014, which is a Divisional of U.S. patent application Ser. No. 13/690,881 filed Nov. 30, 2012, now U.S. Pat. No. 8,763,163, which claims the benefit of priority to U.S. Provisional Patent Application Ser. No. 61/565,627 filed Dec. 1, 2011, and this application is a Continuation In Part of U.S. patent application Ser. No. 29/477,813 filed Dec. 27, 2013. The entire disclosure of each of the applications listed in this paragraph are incorporated herein by specific reference thereto.

**FIELD OF INVENTION**

This invention relates to hats and caps, in particular to head visor assemblies, apparatus, and methods of making a soft type foam visor with or without partial or full through-hole shaped openings, such as but not limited to geometrical shapes, letters, characters, and the like, that allow for accessories such as labels, charms, badges, sunglasses, and the like, to be plugged into the openings and easily removable and interchangeable with other accessories, with a headband and brim formed from or molded from an odorless EVA material that is water proof, floats in water, anti-bacterial, have good clarity and gloss, barrier properties, low-temperature toughness, stress-crack resistance, hot-melt adhesive, and resistance to UV (ultra violet) radiation.

**BACKGROUND AND PRIOR ART**

Sun visors have become a popular type of headgear for keeping the sun off the face of the wearer. Often the visors are formed from a cloth or fabric type material with a fixed band. Other types of well known visors are formed from a hard plastic with rearwardly extending curved bands which wrap about part of the head of the wearer.

A problem with these prior art visors is that indicia (such as but not limited to advertisements, etc.) must be permanently fixed thereon. For example, sewing a label on a cloth or fabric visor is well known, but the label is not easily removable.

Painting indicia with markers and the like, can also be done on prior art visors, but the paint is also generally permanent. Peel and stick decals can also be used, but they are also intended to be permanent and are not intended to be easily removed or changed.

Using a hook and loop fastener, such as Velcro®, can also be used, but at least one side of the hook and loop fastener, must also be permanently attached to a surface of the visor.

Caps and visors have been made over the years with holes. See for example, U.S. Pat. No. 1,782,206 to Kornsweet; U.S. Pat. No. D460,604 to Sullivan; U.S. Pat. No. D601,329 to Johns, the latter being the inventor of the subject invention. However, the holes were used for ventilation and/or decoration, and were not useful for mounting and supporting indicia thereon.

Thus, the need exists for solutions to the above problems with the prior art.

**SUMMARY OF THE INVENTION**

A primary objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with or without patterns of partial and/or full cutout hole openings that allow for accessories such as labels,

charms, badges, and the like, to be plugged into the openings and easily removable and interchangeable with other accessories.

A secondary objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with or without patterns of partial and/or full cutout hole openings that allow for accessories such as labels, charms, badges, and the like, to be easily removable and interchangeable with other accessories.

A third objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with or without patterns of partial and/or complete throughhole openings that allow for accessories, having an adjustable head strap that is also removable.

A fourth objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with or without patterns of partial and/or complete throughhole openings with a puncture tool that can turn partial cutouts into throughhole cutouts to mount accessories thereon.

A fifth objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with or without patterns of partial and/or complete throughhole openings having different shapes, such as but not limited to different geometrical shapes, letter shapes, character shapes, and the like, in order to mount accessories thereon.

A sixth objective of the present invention is to provide head visor devices, apparatus, and methods of using a soft type foam visor with without patterns of partial and/or complete throughhole openings that allow for accessories such as adapters to be able to mount sunglasses/eyeglasses to the visor.

A seventh object of the invention is to provide head visor devices, apparatus, and methods of forming a visor with a headband and brim formed from or molded from a soft plastic, such as but not limited to EVA (ethylene vinyl acetate).

An eighth object of the invention is to provide head visor devices, apparatus, and methods of forming a visor with a headband and brim formed from or molded from material that is water proof, floats in water, anti-bacterial, have good clarity and gloss, barrier properties, low-temperature toughness, stress-crack resistance, hot-melt adhesive, and resistance to UV (ultra violet) radiation. EVA has little or no odor and is competitive with rubber and vinyl products in cost.

An embodiment can be formed from a flexible and pliable material, a plurality of slot shapes on a front surface portion of the visor with headband, at least one accessory having a male member that mateably attaches into at least one of the slots, wherein the accessory is both attachable and detachable from the visor with headband.

The visor assembly can include a removable strap having ends that are attachable to left and right portions of the headband, the removable strap being formed from the flexible and pliable material. The removable strap can include rivet members having inwardly protruding portions for being insertable into a plurality of adjustment holes in the removable strap. The visor material can be EVA (ethylene vinyl acetate).

The accessory can include a logo plate, having indicia across a front surface of the logo plate, and/or a decorative charm.

The slot shapes can include circular shapes, noncircular geometrical shapes, outline shapes of different characters and objects.

The slot shapes can include through-hole cutouts through the visor, and/or partial cutouts through only a surface portion of the visor.

A puncture tool can be included for puncturing a partial-cutout into a through-hole cutout. An adapter can be used for attaching sunglasses/eyeglasses to the visor assembly.

A visor assembly kit, can include the combination of a visor with headband formed from a flexible and pliable material, a plurality of both through-hole slots and partial cut-out slots along a front surface portion of the visor with headband, a removable strap having ends that are attachable to left and right portions of the headband, the removable strap being formed from the flexible and pliable material, and a plurality of accessories, each accessory having a male member that mateably attaches into at least one of the through-hole slots and partial cut-out slots, wherein the accessories are both attachable and detachable from the visor with headband, and wherein the accessories are selected from the group consisting of logo plates and decorative charms and a puncture tool to punch out a partial cutout, and an adapter for mounting sunglasses/eyeglasses to the visor assembly. The plurality of both through-hole slots and partial cut-out slots, can include different shapes, such as different geometrical shapes, letters, character outlines.

Further objects and advantages of this invention will be apparent from the following detailed description of the presently preferred embodiments which are illustrated schematically in the accompanying drawings.

#### BRIEF DESCRIPTION OF THE FIGURES

FIG. 1 is a top perspective view of the novel visor assembly.  
FIG. 2 is a bottom perspective view of the visor assembly of FIG. 1.

FIG. 3 is a top exploded perspective view of the visor assembly of FIG. 1.

FIG. 4 is a bottom exploded perspective view of the visor assembly of FIG. 3.

FIG. 5 is a top view of the visor assembly of FIG. 1.

FIG. 5A is a cross-sectional view of the band rivet connection of FIG. 5 along arrow 5A.

FIG. 5B is a cross-sectional view of the charm connection of FIG. 5 along arrow 5B.

FIG. 6 is a bottom view of visor assembly of FIG. 5.

FIG. 7 is a right side view of the visor assembly of FIGS. 5-6.

FIG. 8 is a left side view of the visor assembly of FIGS. 5-6.

FIG. 9 is a front side view of the visor assembly of FIGS. 5-8.

FIG. 10 is a rear side view of the visor assembly of FIGS. 5-8.

FIG. 11 is a top front perspective view of the visor assembly of the preceding figures showing logo plate and charm ready to be installed.

FIG. 12 is another top front perspective view of the visor assembly of FIG. 11 showing logo plate and charms installed.

FIG. 13 is a bottom front inside perspective view of the visor assembly of FIG. 11 showing logo plate and charm ready to be installed.

FIG. 14 is a bottom front inside perspective view of the visor assembly of FIG. 13 showing logo plate and charm installed.

FIG. 15 is a top view of a logo plate for the visor assembly of the preceding figures.

FIG. 16 is a front view of the logo plate of FIG. 15.

FIG. 17 is a front right perspective view of the logo plate of FIG. 15.

FIG. 18 is a rear right perspective view of the logo plate of FIG. 15.

FIG. 19 is top view of a charm accessory for the visor assembly of the preceding figures.

FIG. 20 is a front view of the charm of FIG. 19.

FIG. 21 is a front right perspective view of the charm of FIG. 19.

FIG. 22 is a rear right perspective view of the charm of FIG. 19.

FIG. 23 is a front view of a puncture tool for use with visor assembly.

FIG. 24 is a side view of the puncture tool of FIG. 23.

FIG. 25 is a top view of another visor assembly.

FIG. 26 is a top view of still another visor assembly.

FIG. 27 is a perspective view of an adapter for mounting sunglasses/eyeglasses to the visor assembly.

FIG. 28 is a side view of the adapter of FIG. 27.

FIG. 29 is a front view of the adapter of FIG. 27.

FIG. 30 is a front perspective view of a visor assembly with adapter of FIG. 27 and mounted sunglasses/eyeglasses.

FIG. 31 is a side view of the visor assembly, adapter and mounted sunglasses of FIG. 30.

FIG. 32 is a front view of the visor assembly, adapter and mounted sunglasses of FIG. 30.

FIG. 33 is an upper front right perspective view of another embodiment of the novel improved head visor with plug-in accessory sockets in the band.

FIG. 34 is an upper right rear perspective view of the head visor of FIG. 33.

FIG. 35 is a lower rear perspective view of the head visor of FIG. 33.

FIG. 36 is a lower front perspective view of the head visor of FIG. 33.

FIG. 37 is a lower perspective exploded view of the head visor of FIG. 33.

FIG. 38 is a front view of the head visor of FIG. 33.

FIG. 39 is a rear view of the head visor of FIG. 33.

FIG. 40 is a right side view of the head visor of FIG. 33.

FIG. 41 is a left side view of the head visor of FIG. 33.

FIG. 42 is a top view of the head visor of FIG. 33.

FIG. 43 is a bottom view of the head visor of FIG. 33.

FIG. 44 is an upper front right perspective view of another embodiment of the novel improved head visor with brim and head band.

FIG. 45 is an upper right perspective view of the head visor of FIG. 44.

FIG. 46 is a lower rear perspective view of the head visor of FIG. 44.

FIG. 47 is a lower front perspective view of the head visor of FIG. 44.

FIG. 48 is a lower perspective exploded view of the head visor of FIG. 44.

FIG. 49 is a front view of the head visor of FIG. 44.

FIG. 50 is a rear view of the head visor of FIG. 44.

FIG. 51 is a right side view of the head visor of FIG. 44.

FIG. 52 is a left side view of the head visor of FIG. 44.

FIG. 53 is a top view of the head visor of FIG. 44.

FIG. 54 is a bottom view of the head visor of FIG. 44.

#### DESCRIPTION OF THE PREFERRED EMBODIMENTS

Before explaining the disclosed embodiments of the present invention in detail it is to be understood that the invention is not limited in its applications to the details of the particular arrangements shown since the invention is capable of other embodiments. Also, the terminology used herein is for the purpose of description and not of limitation.

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A listing of components will now be described.

10 visor assembly.  
 20 Visor/brim.  
 30 Headband.  
 40 Back band.  
 50 Snap-in charm.  
 60 Snap-in logo plate.  
 70 Sweat band.  
 80 Through-hole cutouts and/or partial cut-outs for charms and logo plate.  
 90 Back band rivet.  
 100 Back band adjustment holes in headband.  
 110 Rivet hole in back band.  
 120 Back band alignment stud.  
 130 Studs to secure logo plate and charms into cutouts.  
 140. Puncture tool  
 142. front of tool  
 144. raised gripping surface  
 145. puncture tip  
 147. stem  
 148. stud/rear wall  
 150. visor assembly with different shaped cutouts  
 152. letter shaped cutout  
 154. star shaped cutout  
 158. half moon shaped cutout  
 160. visor assembly with more different shaped cutouts  
 162. triangle shaped cutout  
 164. rectangular/square shaped cutout  
 166. cartoon character shaped cutout  
 170. adapter for eyeglasses/sunglasses  
 172. front wall of adapter  
 174. curved hook  
 175. stem  
 178. stud/rear wall  
 180. eyeglasses/sunglasses  
 182. arm(s)  
 190. visor assembly for eyeglasses/sunglasses  
 200, Visor Assembly Second Embodiment  
 220 brim  
 222 outer side rim  
 224 outer front rim  
 226 rear raised edge (lower raised rim on the front headband)  
 230 front head band  
 232 upper side rim  
 234 upper front rim  
 236 lower side rim  
 240 back (rear) band  
 242 upper raised rim  
 244 lower raised rim  
 246 circular end with raised rim  
 270 sweat band  
 280 openings/sockets in front head band  
 290 rivets  
 300, Visor Assembly Third Embodiment  
 320 brim  
 322 outer side rim  
 324 outer front rim  
 326 rear raised edge  
 330 front head band  
 332 upper side rim  
 334 upper front rim  
 336 lower side rim  
 340 back (rear) band  
 342 upper raised rim  
 344 lower raised rim  
 346 circular end with raised rim  
 370 sweat band  
 390 rivets

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The assignee of the subject application is also the assignee on U.S. Design Pat. No. D601,329 to Johns, which is incorporated by reference in its' entirety.

FIG. 1 is a top perspective view of the novel visor assembly 10. FIG. 2 is a bottom perspective of the visor assembly 10 of FIG. 1. FIG. 3 is a top exploded perspective view of the visor assembly 10 of FIG. 1. FIG. 4 is a bottom exploded perspective view of the visor assembly 10 of FIG. 3. FIG. 5 is a top view of the visor assembly 10 of FIG. 1.

FIG. 5A is a cross-sectional view of the band rivet connection of FIG. 5 along arrow 5A.

FIG. 5B is a cross-sectional view of the charm connection of FIG. 5 along arrow 5B.

FIG. 6 is a bottom view of visor assembly 10 of FIG. 5. FIG. 7 is a right side view of the visor assembly 10 of FIGS. 5-6. FIG. 8 is a left side view of the visor assembly 10 of FIGS. 5-6. FIG. 9 is a front side view of the visor assembly 10 of FIGS. 5-8. FIG. 10 is a rear side view of the visor assembly 10 of FIGS. 5-8.

FIG. 11 is a top front perspective view of the visor assembly 10 of the preceding figures showing logo plate and charm ready to be installed.

FIG. 12 is another top front perspective view of the visor assembly 10 of FIG. 11 showing logo plate and charms installed.

FIG. 13 is a bottom front inside perspective view of the visor assembly 10 of FIG. 11 showing logo plate and charm ready to be installed.

FIG. 14 is a bottom front inside perspective view of the visor assembly 10 of FIG. 13 showing logo plate and charm installed.

FIG. 15 is a top view of a logo plate for the visor assembly 10 of the preceding figures. FIG. 16 is a front view of the logo plate of FIG. 15. FIG. 17 is a front right perspective view of the logo plate of FIG. 15. FIG. 18 is a rear right perspective view of the logo plate of FIG. 15. The logo plates can have indicia on a front surface portion, such as but not limited to advertisements, sports teams, names, pictures, and the like.

FIG. 19 is top view of a charm accessory for the visor assembly 10 of the preceding figures. FIG. 20 is a front view of the charm of FIG. 19. FIG. 21 is a front right perspective view of the charm of FIG. 19. FIG. 22 is a rear right perspective view of the charm of FIG. 19. The charm accessory can be a decorative part, such as but not limited to a Jibitz™. The decorative pieces, can include various types of shapes, such as but not limited to animals, fish, birds, cartoon characters, flowers, trees, and the like.

Referring to FIGS. 1-22, the visor assembly can be comprised of two or three components. The main two components are the front part of the visor assembly which includes a visor portion 20 with front head band portion 30, that is separated from and attachable to a back band 40 type strap. A third component can be a sweatband 70 that can be attached into the inside wall of the head band portion 30.

The visor portion 20 with front band portion 30, and the back band (strap) 40 can be formed from or molded from a soft plastic, such as but not limited to EVA (ethylene vinyl acetate). The novel visor 10 can also be water proof, float in water, be anti-bacterial, have good clarity and gloss, barrier properties, low-temperature toughness, stress-crack resistance, hot-melt adhesive, and resistance to UV (ultra violet) radiation. EVA has little or no odor and is competitive with rubber and vinyl products in cost. The invention can be formed from other materials, similar to EVA, that also have similar properties.

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The visor assembly **10** of the previous figures can have partial cutouts instead of completely through-hole cutouts **80**. The partial cut-outs can have indentations through the visor/brim **20** and/or through the headband **30** that are not complete through-holes. These partial cut-outs can be molded to have narrow thicknesses than the rest of the visor/brim **20** and headband **30** material. As such, the user can use a puncture tool **140** as described in FIGS. **23-24** to complete the cut-out through the visor/brim **20** and/or headband **30** as desired. For example, a visor assembly **10** can have a mix of through-hole cutouts and partial cut-outs. Alternatively, the visor assembly can have all through-hole cutouts or all partial cut-outs.

FIG. **23** is a front view of a puncture tool **140** for use with visor assembly. FIG. **24** is a side view of the puncture tool **140** of FIG. **23**. On the front **142** of the tool **140** can be a gripping surface that can have raised ribs or grooves thereon, and extending downward can be a narrow tip **145**. The stud/rear wall **148** can be joined to the front wall by a stem portion **147**. In operation, the user can grip the tool **140** by pinching the front wall **142** and rear wall **148** between two fingers, and push the narrow tip **145** into a partial cut-out opening **80** as desired to mount charm(s) **50**, logo plate(s) **60** thereon. The tool **140** can also be stored on the visor assembly **1** by pushing the stud/rear wall **148** into a throughhole cut-out **80** on the visor assembly.

The invention can be distributed and/or sold in a package or kit form, having visor assembly **1**, along with a plurality of logo plates **60** and decorative (charm) parts **50** and puncture tool **140**, and sunglass/eyeglass adapter **170**.

Although, the cut-out slots (sockets) **80**, **100** for the labels **60** and charms **50** are shown to be circular, the sockets can have other geometrical shapes, such as but not limited to triangular, rectangular, hexagon, and the like. Still furthermore, the sockets can be customized into other desirable shapes such as but not limited to character outline shapes, such as MICKEY MOUSE®, animals, mammals, birds, fish, and any other desirable outline shape, and the like.

FIG. **25** is a top view of another visor assembly **150**. FIG. **26** is a top view of still another visor assembly **160**. Here, different shapes, such as letter shaped cutout **152**, star shaped cutout **154**, half moon shaped cutout **158**, triangle shaped cutout **162**, rectangular/square shaped cutout **164**, and other shapes **166**, such as cartoon character shaped cutout **166** can be formed into the visor assembly **150**, **160**.

FIG. **27** is a perspective view of an adapter **170** for mounting sunglasses/eyeglasses to the visor assembly **190** (shown in FIGS. **30-32**). FIG. **28** is a side view of the adapter **170** of FIG. **27**. FIG. **29** is a front view of the adapter **170** of FIG. **27**. The adapter **170** can include a front wall **172** having a curved hook **174** fixed thereon, with a stem **175** to attach to a stud/rear wall **178**.

FIG. **30** is a front perspective view of a visor assembly **190** with adapter of FIG. **27** and mounted sunglasses/eyeglasses **180**. FIG. **31** is a side view of the visor assembly **190**, adapter **170** and mounted sunglasses **180** of FIG. **30**. FIG. **32** is a front view of the visor assembly **190**, adapter **170** and mounted sunglasses **180** of FIG. **30**. The user can push the stud/rear wall **178** of the adapter **170** through headband adjustment holes **100** on both sides of the visor assembly **190** with the free end of the hook **174** angled upward. Next, the arms **182** of the eyeglasses/sunglasses **180** can be positioned into the hook portions **174**, with the glass portions of the eyeglasses/sunglasses **180** positioned on the visor/brim **20**. The curved hooks **174** can be angled so that the arms **182** of the eyeglasses/sunglasses **180** are tightly held in place. The user can safely store their eyeglasses/sunglasses **180** on the visor assembly **190**. And when the eyeglasses/sunglasses **180** are

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needed, the user, can easily remove the eyeglasses/sunglasses **180** from the adapter **170** to wear them when needed.

While the invention shows plug on labels and charms, the invention can be used with other accessories. For example, a scalp cover can attach to the top of the visor assembly and have plug in base members that allow for the cover to protect the scalp of the wearer. Furthermore, a neck shade attachment formed from similar material or formed from cloth or fabric, can attach by plugable members to the rear of the band strap. Still furthermore, other accessories, such as but not limited to sunglass shades, and the like, can also be plugable onto the visor assembly.

## Second Embodiment

FIG. **33** is an upper front right perspective view of another embodiment of the novel improved head visor **200** with plug-in accessory sockets **280** in the band. FIG. **34** is an upper right rear perspective view of the head visor **200** of FIG. **33**. FIG. **35** is a lower rear perspective view of the head visor **200** of FIG. **33**. FIG. **36** is a lower front perspective view of the head visor **200** of FIG. **33**. FIG. **37** is a lower perspective exploded view of the head visor **200** of FIG. **33**. FIG. **38** is a front view of the head visor **200** of FIG. **33**. FIG. **39** is a rear view of the head visor **200** of FIG. **33**. FIG. **40** is a right side view of the head visor **200** of FIG. **33**. FIG. **41** is a left side view of the head visor **200** of FIG. **33**. FIG. **42** is a top view of the head visor **200** of FIG. **33**. FIG. **43** is a bottom view of the head visor **200** of FIG. **33**.

Referring to FIGS. **33-43**, the head visor **200** can be formed from the same material as described in the previous embodiment and can include a one piece front head band **230** and brim **220**, and separate back (rear) band that attached to one another as described in the previous embodiment.

The head visor **200** can include a front head band that can have an overall height of approximately 1.98 inches, and the rearwardly extending sides can taper downward to a height of approximately 1.38 of an inch. The front end (front rim **224**) can angle downwardly from the top (upper rim **234**) of the headband **230** at an angle of approximately 140 degrees.

The brim **220** can include a raised rim **222/224** about an outer perimeter edge of the brim **220**, the raised rim having a thickness and a width, along with a rear raised rim **226** between the brim **220** and the front head band **230**. The thickness of the raised rim can be approximately  $\frac{3}{16}$  inch thick. The narrow width rim **222** about side edges of the brim **220** can expand into a wider rim **224** about a front portion of the brim **220**. The narrow side rim **222** can have a width of approximately 0.11 inches and the wider front rim **224** a width of approximately 0.38 inches.

The front headband **230** can include an upper raised rim **234** and a lower raised rim (rear raised rim **226**) parallel to the upper raised rim **234**. The front head band **230** can include rearwardly extending sides each having an upper side rim **232** and lower side rim **236**. The upper raised rims **232**, **234** and lower raised rim **236**, **226** can each include a thickness of approximately  $\frac{1}{4}$  inch.

The back (rear) band **240** can include an upper raised rim **242** and a lower raised rim **244** parallel to the upper raised rim **242**, each rim **242**, **244**, having thickness and a width. The thickness of each raised rim **242**, **244** can be approximately  $\frac{3}{16}$  of an inch. The height of each raised rim **242**, **244** can be approximately  $\frac{1}{8}$  of an inch.

Each end of the rear headband **240** includes a generally circular shape **246** with a circular raised rim, having a similar thickness and height to the raised rims **242**, **244**. The circular rear end **246** can include a diameter of approximately  $1\frac{3}{16}$  of

an inch with the rivets **290** for attaching the rear band **240** to the rearwardly extending sides of the front headband **230**. Each of the rivets can have a rounded head portion that can have a diameter of approximately  $\frac{1}{16}$  of an inch.

The term “approximately” can include  $\pm$  ten percent of the number value that follows the term “approximately.”

Referring to FIGS. **33-43**, the front facing surface of the front headband **230** between the upper raised rim **234** and lower raised rim **226** (rear edge of brim) can include at least one socket **280** (opening) therethrough for allowing accessories, such as those previously described to be attached thereto. The upper exposed surface of the brim **220** between the outer raised rims **222/224** can include a solid smooth surface that does not include sockets (openings) in the surface.

### Third Embodiment

FIG. **44** is an upper front right perspective view of another embodiment of the novel improved head visor **300** with brim **320** and head band **330** with no sockets (openings) in the front head band **330** and no sockets (openings) across the outer surface of the brim **320**. FIG. **45** is an upper right perspective view of the head visor **300** of FIG. **44**. FIG. **46** a lower rear perspective view of the head visor **300** of FIG. **44**. FIG. **47** a lower front perspective view of the head visor **300** of FIG. **44**. FIG. **48** is a lower perspective exploded view of the head visor **300** of FIG. **44**. FIG. **49** is a front view of the head visor **300** of FIG. **44**. FIG. **50** is a rear view of the head visor **300** of FIG. **44**. FIG. **51** is a right side view of the head visor **300** of FIG. **44**. FIG. **52** is a left side view of the head visor **300** of FIG. **44**. FIG. **53** is a top view of the head visor **300** of FIG. **44**. FIG. **54** is a bottom view of the head visor **300** of FIG. **44**.

Referring to FIGS. **44-53**, the labeled components **320, 322, 324, 326, 330, 332, 334, 336, 340, 342, 344, 346, 370, and 390** that correspond to the similar numbered components in the previous embodiment head visor **200** with the rear band **340** that attaches to rearwardly extending sides of the front head band **330** similar to the previous embodiments described. Hear the front head band **330** can include a solid smooth surface between the upper raised rim **334** and lower raised rim **326** (rear edge of brim) with a surface having not sockets (openings) therethrough, and the brim **320** can include a smooth solid contiguous surface between raised rims **322, 324, 326** also having no sockets (openings) therethrough.

While the invention has been described, disclosed, illustrated and shown in various terms of certain embodiments or modifications which it has presumed in practice, the scope of the invention is not intended to be, nor should it be deemed to be, limited thereby and such other modifications or embodiments as may be suggested by the teachings herein are particularly reserved especially as they fall within the breadth and scope of the claims here appended.

I claim:

1. A visor assembly, comprising:  
a brim and a front headband formed from a soft, flexible and pliable EVA (ethylene vinyl acetate) material, the EVA material modified to be waterproof, floatable, antibacterial, temperature tough resistant, stress crack resistant, and UV (ultra violet) radiation resistant.
2. The visor assembly of claim 1, further comprising:  
a separate removable rear headband strap having a first end for being attachable and detachable from the front headband, and a second end for being attachable and detachable from the front headband, the separate rear headband being molded from the soft, flexible and pliable EVA (ethylene vinyl acetate) material, the EVA material

modified to be waterproof, floatable, antibacterial, temperature tough resistant, stress crack resistant, and UV (ultra violet) radiation resistant.

3. The visor assembly of claim 2, wherein the removable rear head band strap includes:

rivet members having inwardly protruding portions for being insertable into adjustment holes in the removable rear headband strap.

4. The visor assembly of claim 1, wherein the front headband includes: rearwardly facing ends, each having at least one adjustment hole for receiving the rivet members.

5. The visor assembly of claim 1, wherein the brim includes: a raised rim about an outer perimeter edge of the brim, the raised rim having a thickness and a width.

6. The visor assembly of claim 5, wherein the thickness of the raised rim is approximately  $\frac{3}{16}$  inch.

7. The visor assembly of claim 5, wherein the raised rim includes: a narrow width rim about side edges of the brim with a wider rim about a front portion of the brim.

8. The visor assembly of claim 7, wherein the narrow rim includes a width of approximately 0.11 inches and the wider rim having a width of approximately 0.38 inches.

9. The visor assembly of claim 1, wherein the front headband includes an upper raised rim and a lower raised rim parallel to the upper raised rim.

10. The visor assembly of claim 9, wherein the upper raised rim and the lower raised rim includes a thickness of approximately  $\frac{1}{4}$  inch.

11. The visor assembly of claim 2, wherein the rear headband strap includes an upper raised rim and a lower raised rim parallel to the upper raised rim, each rim having thickness and a width.

12. The visor assembly of claim 11, wherein the thickness of each raised rim is approximately  $\frac{3}{16}$  of an inch.

13. The visor assembly of claim 11, wherein the height of each raised rim is approximately  $\frac{1}{8}$  of an inch.

14. The visor assembly of claim 11, wherein each end of the rear headband includes a generally circular shape with a circular raised rim.

15. The visor assembly of claim 14, wherein the circular rear end includes a diameter of approximately  $1\frac{3}{16}$  of an inch.

16. The visor assembly of claim 1, wherein the front headband includes a front facing portion, and rearwardly extending sides, wherein the front facing portion includes at least one opening across a front portion, and the brim includes an upper solid smooth surface with no openings and no slots therethrough.

17. The visor assembly of claim 16, wherein the front facing portion includes a plurality of openings for allowing at least one accessory to be attached thereto.

18. The visor assembly of claim 1, wherein the front headband includes a solid front facing smooth solid surface with no openings and no slots therethrough, and rearwardly extending sides, and the brim includes an upper solid smooth surface with no openings and no slots therethrough.

19. The visor assembly of claim 18, wherein the front headband includes an upper raised rim and a lower raised rim with a solid smooth surface therebetween having no openings and no slots therethrough.

20. An improved visor, comprising:

a front headband; and

a brim extending from a lower portion of the front head-

band, the front headband and the brim being one piece

and formed from a soft, flexible and pliable EVA (eth- 5

ylene vinyl acetate) material, the EVA material modified

to be waterproof, floatable, antibacterial, temperature

tough resistant, stress crack resistant, and UV (ultra

violet) radiation resistant.

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